Water Property Observations Off the West Coast of Vancouver Island During CODE: May 1979 to September 1980

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Canadian Data Report Of Hydrography and Ocean Sciences

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Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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WATER PROPERTY OBSERVATIONS OFF THE WEST COAST OF VANCOUVER ISLAND DURING CODE: MAY 1979 TO SEPTEMBER 1980

by

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and
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ABSTRACT

Thomson, R.E., W.R. Crawford and W.S. Huggett. 1984. Water property observations off the west coast of Vancouver Island during CODE: May 1979 to September 1980. Can. Data Rep. Hydrogr. Ocean Sci. 23: (Vols. 1,2,3)

This report presents listings of water property data collected during the Coastal Ocean Dynamics Experiment (CODE) off the west coast of Vancouver Island between May 1979 and September 1980. Listings include temperature, salinity, density, sound speed and dynamic height anomaly based on CTD profiles together with temperature, salinity and dissolved oxygen content obtained from water samples.

Key words: Vancouver Island; water properties; CODE

RÉSUMÉ

Thomson, R.E., W.R. Crawford and W.S. Huggett. 1984. Water property observations off the west coast of Vancouver Island during CODE: May 1979 to September 1980. Can. Data Rep. Hydrogr. Ocean Sci. 23: (Vols. 1,2,3)

Le présent rapport fournit des listes de données sur les propriétés de l'eau recueillies au cours de l'Expérience sur la dynamique des eaux côtières (CODE) au large de la côte ouest de l'Île Vancouver entre mai 1979 et septembre 1980. Les listes renferment des données sur la température, la salinité, la densité, la vitesse du son et l'anomalie géopotentielle, basées sur les profils de CTP de même que des données sur la température, la salinité et la teneur en oxygène dissous obtenues à partir d'echantillons d'eau.

Mots-clés: Île Vancouver, propriétés de l'eau, CODE.

ACKNOWLEDGEMENTS

We wish to thank the officers and crews of the CSS Parizeau, CNAV Endeavour and Pandora II for their cooperation during the CODE program. We also acknowledge the technical staff of the Tides and Currents and Ocean Physics Sections for their enthusiastic assistance with special thanks to Mike Woodward, Fred Hermiston, Fred Stephenson, Al Douglas, John Love, Cor de Jong, Bernard Minkley and Bruce Canning. Computational assistance was generously provided by Liliane Wu, Joseph Linguanti, John Papadakis and David Ramsden.

INTRODUCTION

The CODE program was an interdisciplinary investigation of the circulation, water property variability and plankton distributions off the west coast of Vancouver Island. Moored arrays of current meters, pressure gauges and wind stations formed the core of the physical program (Figure 1). The spatial structure of the temperature, salinity and dissolved oxygen fields encompassing the moored arrays were obtained during numerous quasi-synoptic ship surveys. Much of the information collected during CODE has been presented in a variety of manuscripts and scientific papers. A list of these publications is provided in the references.

The purpose of this report is to make available the CTD and Niskin bottle data obtained during seven major CODE surveys that covered the full moored array over the Vancouver Island and continental margin. The times of the surveys are listed in Table 1; the station positions for each cruise are presented in a map preceding the data set.

CTD OBSERVATIONS

Profiles of water properties were obtained using a 8700-series Guildline CTD lowered from the stern of the research vessel via a 5/16" (8 mm) diameter, 7-conductor armorgraph cable. Output from the probe consisted of analogue voltages of temperature, conductivity and pressure calibrated for the full-scale ranges of 0 to 25°C, 0 to 40 °/oo and 0 to 1500 dbar, respectively. The probe output was connected to a Guildline deck unit where part of the signal was converted to temperature, salinity and pressure values for plotting on calibrated graph paper. These traces provided real-time displays of the temperature and salinity profiles and served as back-up to the tape storage system. The remaining branch of the output signal was input into a 2100-series HP computer, digitized at a rate of 10 samples per second and stored on a 9-track magnetic tape through a HP7970B digital tape unit. For variable rates of probe descent from 0.5 to 1.5 ms^{-1} this yielded vertical scale resolutions of order 10 cm. As well as being recorded on tape, digitized records were converted and listed every 5 m on a high speed printer. This allowed real-time monitoring of tape recorded data and enabled the operator to safely lower the probe to within a few metres of the seafloor. During each cruise, the absolute zero-depth voltage offset was established with the temperature and conductivity sensors a few centimetres below the sea surface in flat calm conditions. The offset was subtracted from subsequent pressure voltages.

Following each cruise, the raw voltages were converted to temperature, salinity and pressure and the data edited. For combined CTD and hydro cast stations, standard depth values were compared and correction curves for the CTDs determined. Results from these comparisons are presented before the appropriate listings. Although the standard deviations were significant in most cases the mean correction curves were generally within the manufacturer's specified accuracies for temperature, salinity and pressure of 0.03°C, 0.05 °/oo and 1% respectively. The variances are in part attributable to the presence of vertical property gradients, especially at depths shallower than 150 m. All temperature, salinity, sigma-t and sound speed values have been derived from the hydro-corrected CTD profiles.

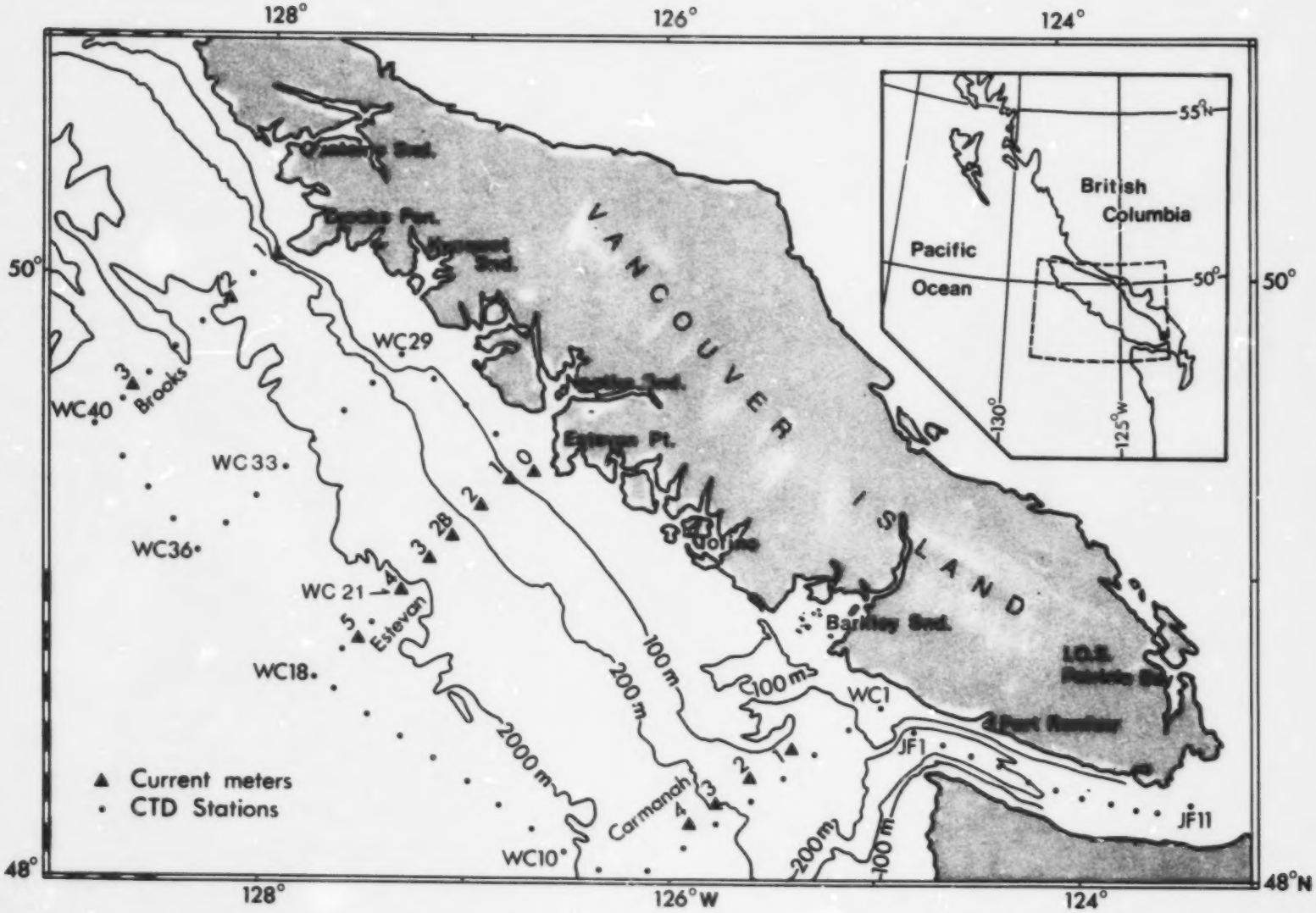


Figure 1. Map and location of stations

Table 1. The times of large-scale oceanographic ship surveys during the Coastal Ocean Dynamics Experiment

CRUISE ID.	SURVEY PERIOD
79-12	6 May to 12 May 1979
79-14	3 Aug to 11 Aug 1979
79-15	23 Sep to 26 Sep 1979
80-10	15 Jan to 27 Jan 1980
80-11	30 Apr to 16 May 1980
80-13	22 Jul to 30 Jul 1980
80-14	3 Sep to 10 Sep 1980

NISKIN BOTTLE OBSERVATIONS

Rosette and hydro-cast observations using 1.7 litre Niskin bottles at standard depths were obtained at approximately each alternate survey station. Reversing thermometers attached to each water bottle were given 5 minutes to reach in situ temperatures prior to release of the messenger; bottles deeper than 250 m carried both protected and unprotected thermometers so that depths could be calculated. Water samples were drawn immediately after each cast.

Dissolved oxygen samples were drawn into 125 mL flasks and immediately pickled. Samples were analyzed within 24 hours of collection using a micro-Winkler technique (de Jong, 1974) which, for the typical range of upper layer values of 4 to 6 mL/L within the main region, gave accuracies better than 1%. Dissolved oxygen values are listed with the hydro data following each set of CTD listings.

DATA FORMAT

The cruise survey data are arranged in chronological order according to cruise number with CTD data followed by hydro (Niskin bottle) data. Each survey is identified by a title page giving the cruise number, month and year. This is followed by a map of the oceanographic stations occupied during the cruise. The next page shows the "correction" curve applied to the CTD based on the water bottle observations; the facing page provides a summary of the number of stations processed plus the number of stations for which it has been possible to derive the depth of the near-homogeneous, surface wind-mixed layer. (The depth of the wind-mixed layer is listed after the CTD data and has been derived using the method of Papadakis (1981).) Also listed on this page are the oceanic parameters along with their corresponding symbols and units.

Individual CTD casts are presented in chronological order. Each cast occupies two pages. On the left hand (even numbered) page are plots of the calibrated temperature and salinity profiles while on the right hand (odd numbered) page are listings of observed and derived oceanographic quantities. Salinity increases and temperature decreases with depth in the northeast Pacific so that each is easily identified within a given plot. The listings are for standard hydrographic depths. In the header are the cruise identification, the station name, the consecutive number of the cast, the latitude and longitude, the data (year, month, day) and the time (Pacific Standard Time; GMT + 8. At the end of each listing, are the oceanographic quantities for the maximum depth of the profile followed (where possible) by the depth of the wind-mixed layer. The latter corresponds to the "elbow" or intersection of two straight lines fitted to the upper portion of the density profile (Papadakis, 1981).

The CTD data are followed by a listing of the temperature, salinity and dissolved oxygen values from the Niskin bottle samples.

REFERENCES

Crawford, W.R. 1984. Energy flux and generation of shelf waves along Vancouver Island. J. Phys. Oceanogr., (in press).

Crawford, W.R. and R.E. Thomson. 1982. Continental shelf waves of diurnal period along Vancouver Island. J. Geophys. Res., 87, 9516-9522.

Crawford, W.R., R E. Thomson and W.S. Huggett. 1983. Shelf waves of diurnal period along Vancouver Island, in Coastal Oceanography, Ed. H. Gade, A. Edwards and H. Svendsen, Plenum, 225-235.

Crawford, W.R. and R.E. Thomson. 1984. Diurnal period continental shelf waves along Vancouver Island: A comparison of observations with theoretical model. J. Phys. Oceanogr., (in press).

de Jong, C. 1974. Reference manual for oceanographic technicians on the weatherships, unpublished manuscript, Dept. of the Environment, Marine Sciences Branch, 248 p.

Denman, K.L., D.L. Mackas, H.J. Freeland, M.J. Austin and S.H. Hill. 1981. Persistent upwelling and meso-scale zones of high productivity off the west coast of Vancouver Island, Canada, in Coastal Upwelling, Ed. F. Richards, American Geophysical Union, Washington, D.C., 514-521.

Denman, K.L. and H.J. Freeland. 1984. Correlation scales, objective mapping, and a statistical test of geostrophy over the continental shelf. J. Phys. Oceanogr., (submitted).

Forbes, J.R., H.A. Sefton and K. de Macedo. 1983. Phytoplankton productivity experiments in British Columbia coastal waters, 1982 and 1983. Can. Data Rep. Hydrogr. Ocean Sci. No. 14, 199 p.

Freeland, H.J. and K.L. Denman. 1982. A topographically controlled upwelling center off southern Vancouver Island. J. Mar. Res., 40, 1069-1093.

Freeland, H.J. 1983. Low frequency currents observed off southern Vancouver Island, 1979-1981. Can. Data Rep. Hydrogr. Ocean Sci. No. 7, 80 p.

Freeland, H.J., W.R. Crawford and R.E. Thomson. 1984. Currents along the Pacific coast of Canada. Atmosphere-Ocean, 22, 151-172.

Hill, S., K. Denman, D. Mackas and H. Sefton. 1982. Ocean Ecology data report: Coastal waters off southwest Vancouver Island. Spring and Summer 1979. Can. Data Rep. Hydrogr. Ocean Sci. No. 3, 123 p.

Hill, S., K. Denman, D. Mackas and H. Sefton. 1982. Ocean Ecology data report: Coastal waters off southwest Vancouver Island. Spring and Summer 1980. Can. Data Rep. Hydrogr. Ocean Sci. No. 4, 103 p.

Hill, S., K. Denman, D. Mackas, H. Sefton and R. Forbes. 1983. Ocean Ecology data report: Coastal waters off southwest Vancouver Island. Spring and Summer 1981. Can. Data Rep. Hydrogr. Ocean Sci. No. 8, 98 p.

Mackas, D.L., G.C. Louttit and M.J. Austin. 1980. Spatial distribution of zooplankton and phytoplankton in British Columbia coastal waters. Can. J. Fish. Aquat. Sci., 37, 1476-1487.

Mackas, D.L. and H.A. Sefton. 1982. Plankton species assemblages off southern Vancouver Island: Geographic pattern and temporal variability. J. Mar. Res., 40, 1173-1200.

Mackas, D.L. 1984. Spatial autocorrelation of plankton community composition in a continental shelf ecosystem. Limnol. Oceanogr., 29, 451-471.

Mackas, D.L., K.L. Denman and M. Abbott. 1985. Plankton patchiness: Biology in the physical vernacular. Bull. Mar. Sci., (submitted).

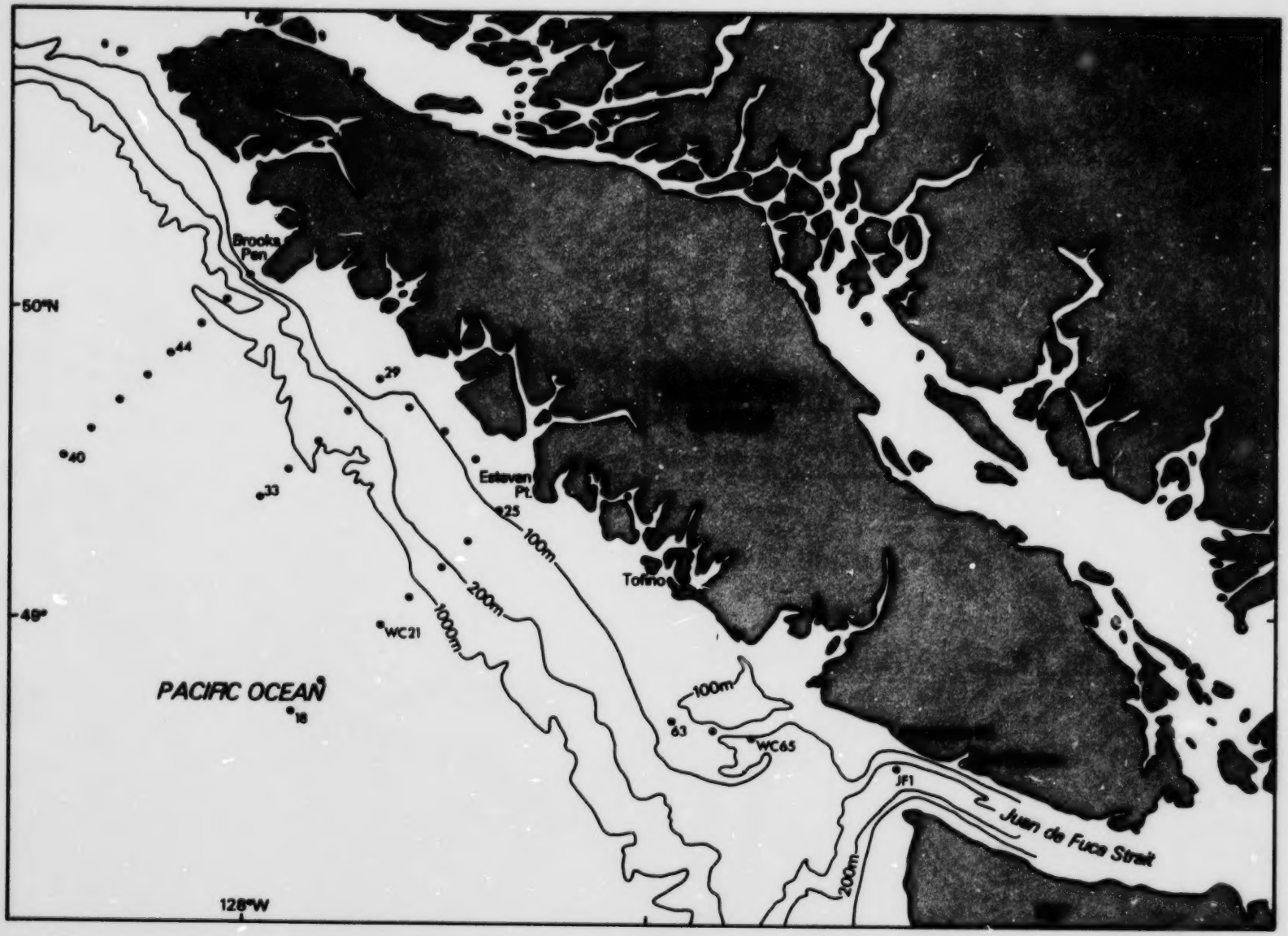
Papadakis, J.E. 1981. Determination of the oceanic wind mixed layer depth by an extension of Newton's Method. Pac. Marine Sci. Rep., 81-9 (Institute of Ocean Sciences), 32 p.

Thomson, R.E. 1983. A comparison between computed and measured oceanic winds near the British Columbia coast. J. Geophys. Res., 88, No. C4, 2675-2683.

Thomson, R.E. and W.R. Crawford. 1982. The generation of diurnal period shelf waves by tidal currents. J. Phys. Oceanogr., 12, 635-643.

Thomson, R.E. 1984. A cyclonic eddy over the continental margin of Vancouver Island: Evidence for baroclinic instability. J. Phys. Oceanogr., (in press).

CRUISE 79-12
MAY 1979


Brooks Pen
50°N
44
29
40
33
Estevan Pt.
25
100m
Tofino
200m
1000m
49°
WC21
PACIFIC OCEAN
18
100m
63
WC65
JF1
Juan de Fuca Strait
200m
128°W

COASTAL OCEANIC DYNAMICS EXPERIMENT

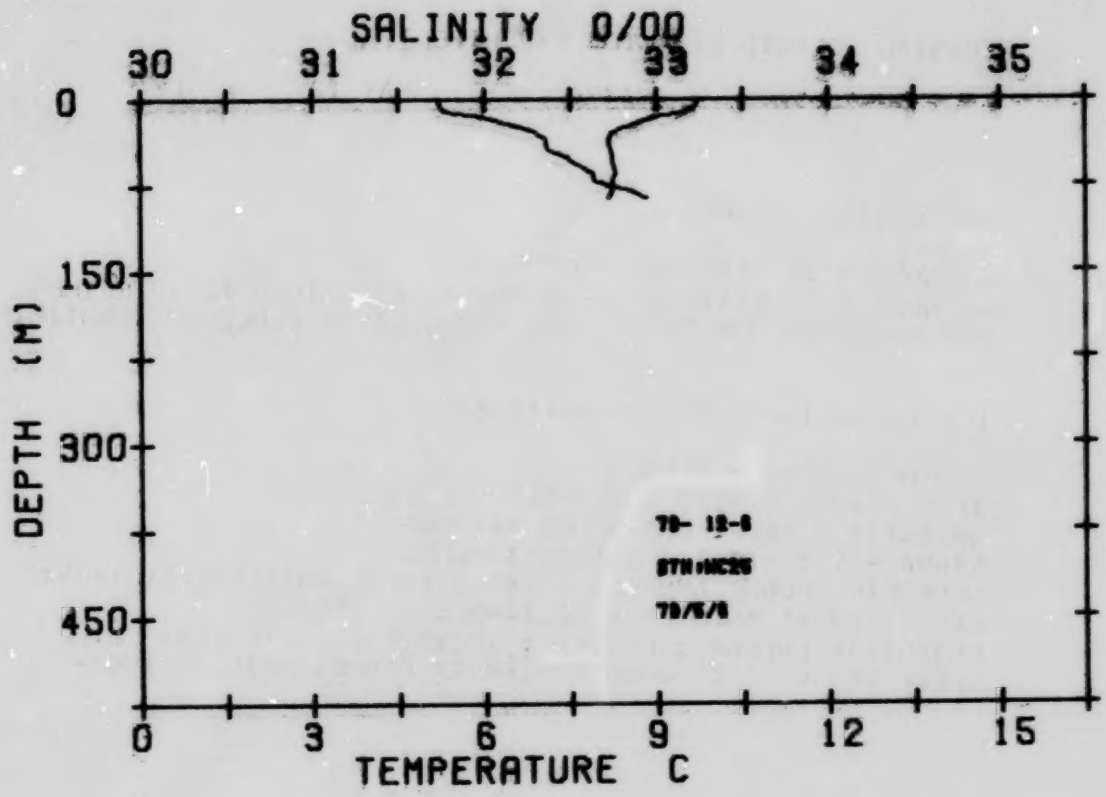
CRUISE 79-12. MAY 6 - MAY 12 , 1979

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 36
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 120.0 METRES FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 24

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC25 CONS 4006
LAT N 49 21.2 LONG W 126 44.4
DATE 79/05/06 TIME (PST) 0917

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.69	31.73	24.48	346.0	.00	.00	1485.1
10	9.54	31.77	24.53	341.4	.34	.02	1484.7
20	8.73	32.09	24.91	305.4	.66	.06	1482.3
30	8.19	32.31	25.16	281.8	.96	.14	1480.6
50	8.21	32.48	25.29	269.8	1.51	.36	1481.3
75	8.26	32.73	25.48	252.2	2.16	.77	1482.2

DEEPEST MEASUREMENT :

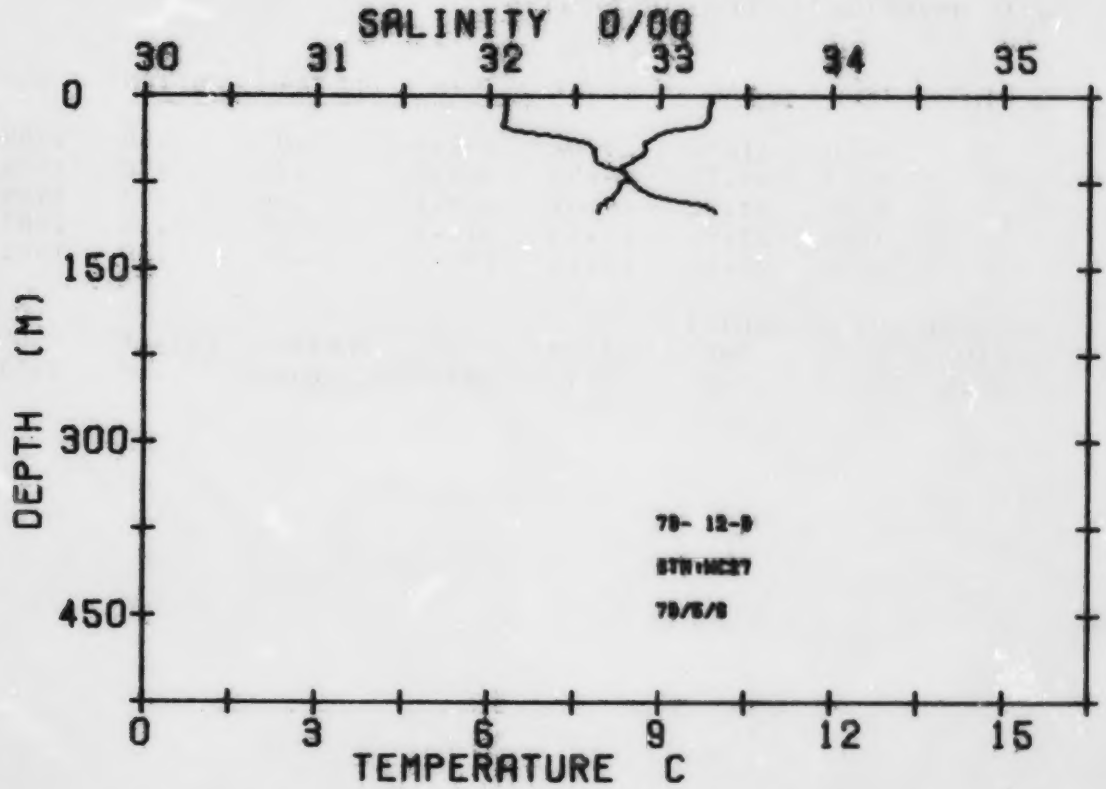
DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.1	8.17	32.94	25.65	235.9	2.41	.96	1482.3

CRUISE : C.O.D.E. 79-12.
STATION: WC26 CONS W008
LAT N 49 30.5 LONG W 126 51.3
DATE 79/05/06 TIME (PST) 1115

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.58	31.76	24.52	342.4	.00	.00	1484.7
10	9.57	31.77	24.53	341.3	.34	.02	1484.8
20	9.38	31.92	24.67	328.1	.68	.07	1484.5
30	9.00	32.05	24.83	313.1	1.00	.15	1483.4
50	8.34	32.28	25.11	286.5	1.60	.39	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
65.5	8.28	32.34	25.17	281.6	2.03	.64	1481.6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34
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0
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300
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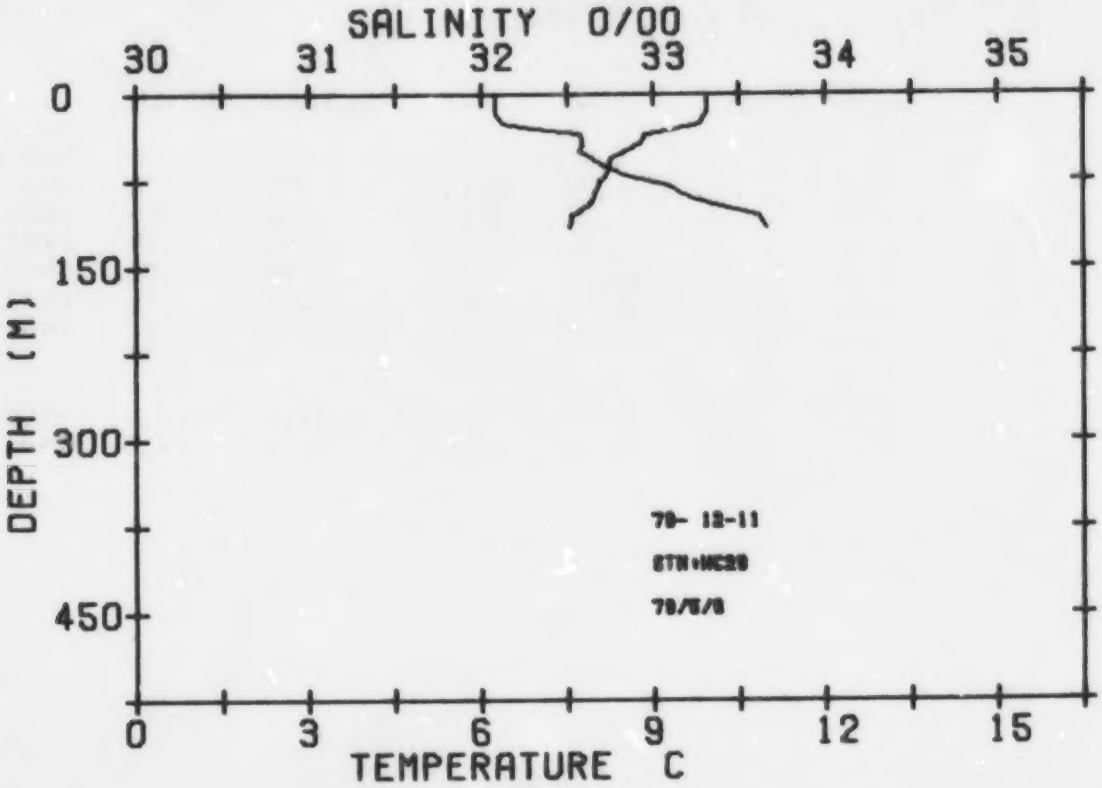
DEPTH (M)
79- 12-9
STN:HC27
79/5/8
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC27 CONS #009
LAT N 49 35.9 LONG W 127 01.2
DATE 79/05/06 TIME (PST) 1205

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.88	32.09	24.73	322.5	.00	.00	1486.2
10	9.85	32.10	24.74	321.8	.32	.02	1486.3
20	9.81	32.09	24.74	321.6	.64	.06	1486.3
30	9.11	32.14	24.89	307.3	.96	.14	1483.9
50	8.67	32.61	25.32	266.7	1.52	.36	1483.2
75	8.28	32.84	25.56	244.3	2.15	.76	1482.4
100	7.89	33.32	26.00	203.6	2.72	1.26	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.1	7.89	33.32	26.00	203.5	2.72	1.26	1481.9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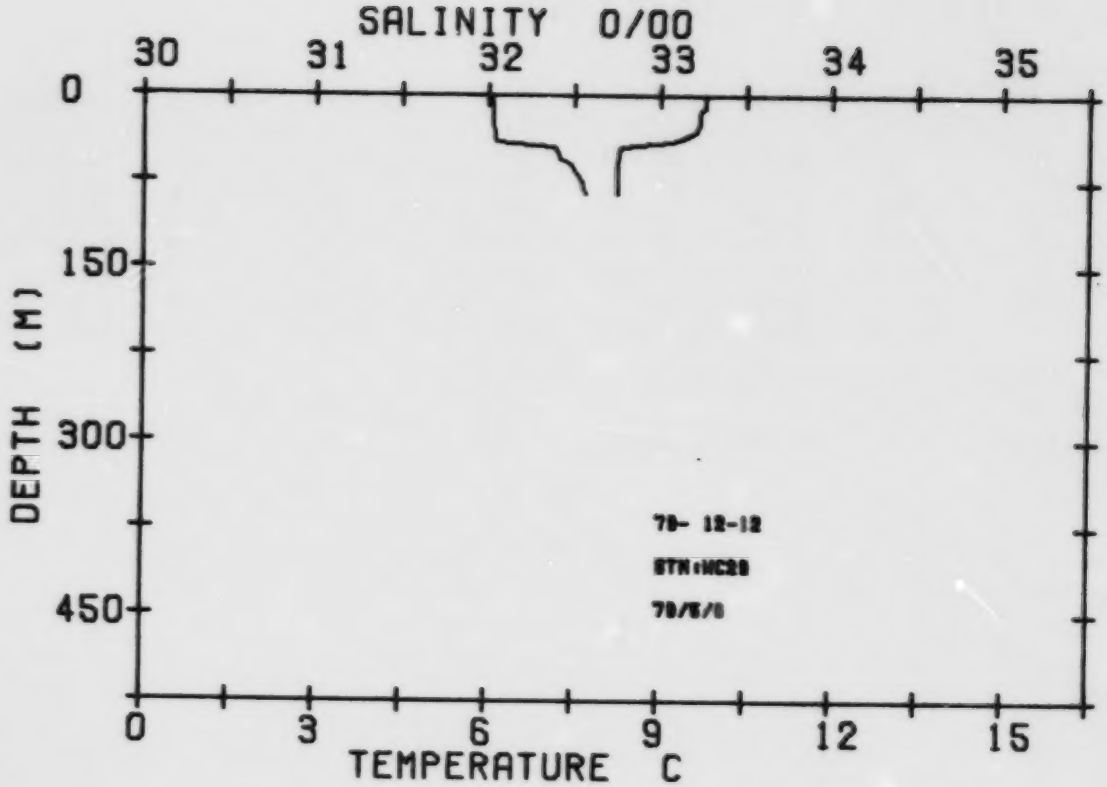
DEPTH (M)
79- 12-11
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC28 CONS 4011
LAT N 49 40.4 LONG W 127 10.8
DATE 79/05/06 TIME (PST) 1311

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.92	32.08	24.71	324.3	.00	.00	1486.4
10	9.92	32.08	24.72	323.9	.32	.02	1486.5
20	9.88	32.10	24.73	322.5	.65	.06	1486.6
30	9.39	32.31	24.98	299.3	.96	.14	1485.2
50	8.48	32.57	25.32	267.0	1.51	.36	1482.4
75	8.09	32.98	25.70	231.3	2.14	.75	1481.8
100	7.75	33.49	26.15	188.9	2.67	1.21	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
115.0	7.52	33.66	26.32	173.3	2.93	1.50	1481.2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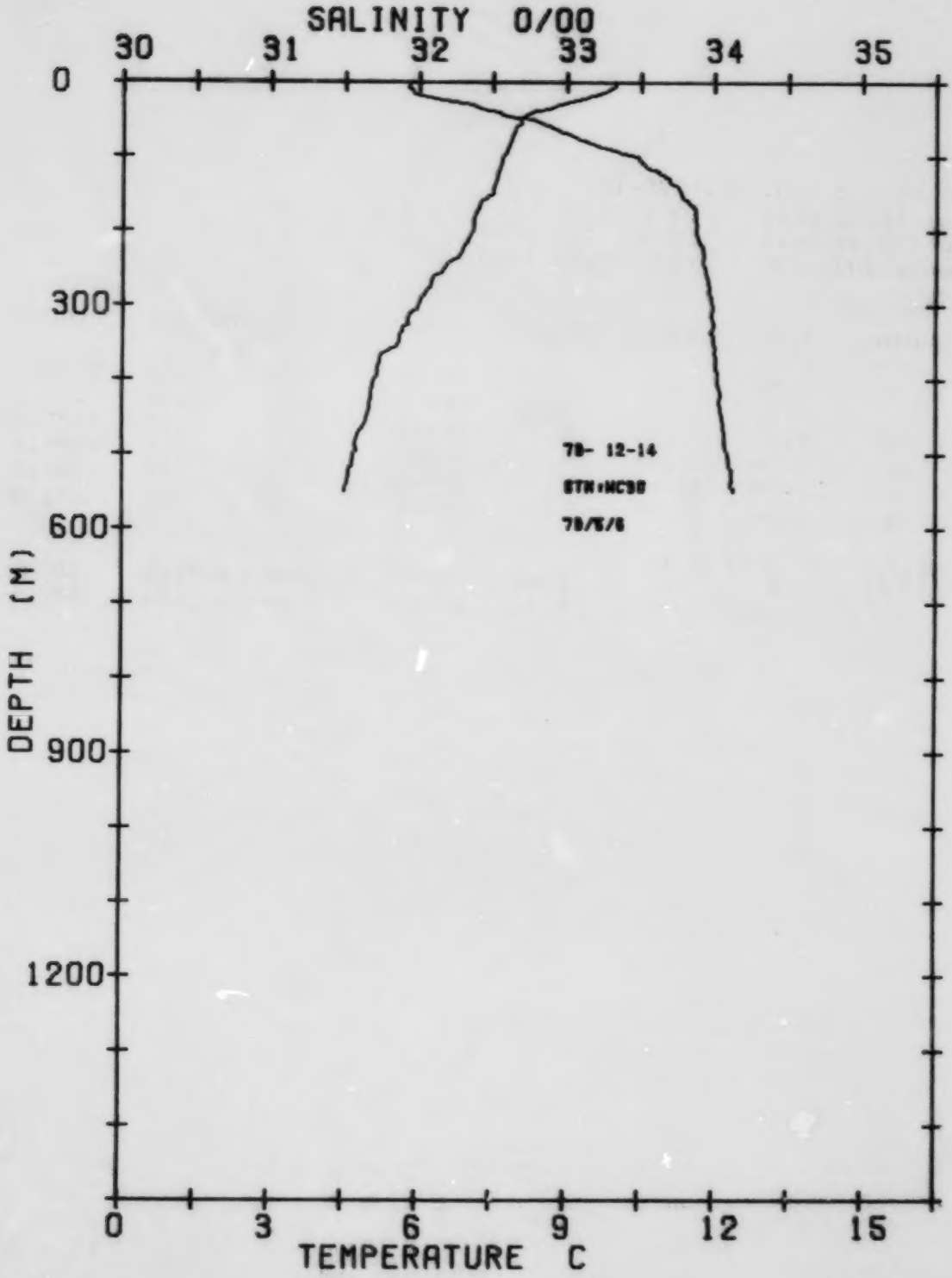
DEPTH (M)
79- 12-12
STN:HC28
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC29 CONS #012
LAT N 49 46.0 LONG W 127 20.0
DATE 79/05/06 TIME (PST) 1410

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.79	32.02	24.69	326.6	.00	.00	1485.8
10	9.79	32.03	24.69	326.1	.33	.02	1486.0
20	9.70	32.03	24.71	324.7	.65	.07	1485.8
30	9.66	32.04	24.73	323.3	.98	.15	1485.8
50	8.29	32.41	25.22	276.1	1.58	.39	1481.5
75	8.24	32.55	25.34	265.1	2.26	.81	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.4	8.24	32.57	25.36	263.8	2.54	1.03	1482.1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1200
DEPTH (M)
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STN:HC38
78/5/6
0
3
6
9
12
15
TEMPERATURE C

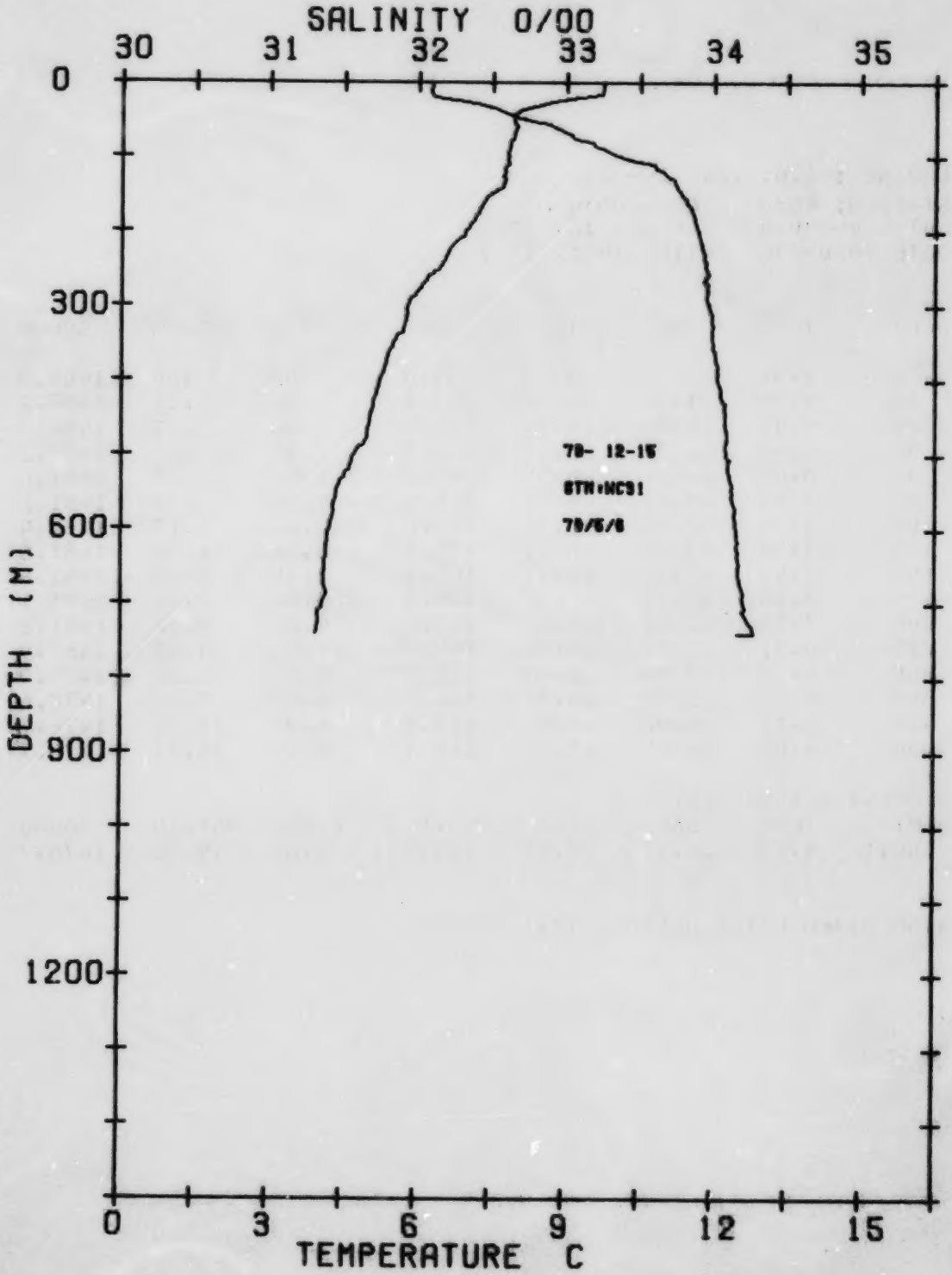
CRUISE : C.O.D.E. 79-12.
STATION: WC30 CONS #014
LAT N 49 40.0 LONG W 127 29.0
DATE 79/05/06 TIME (PST) 1527

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.95	31.93	24.59	335.8	.00	.00	1486.3
10	9.88	31.95	24.62	333.4	.34	.02	1486.2
20	9.46	32.06	24.78	318.3	.66	.07	1484.9
30	8.84	32.37	25.11	286.8	.96	.14	1483.2
50	8.03	32.78	25.55	245.2	1.50	.35	1481.0
75	7.88	33.07	25.80	221.5	2.08	.72	1481.2
100	7.70	33.48	26.15	189.2	2.60	1.17	1481.4
125	7.58	33.66	26.31	174.1	3.06	1.68	1481.6
150	7.49	33.77	26.41	165.3	3.48	2.26	1481.8
175	7.18	33.87	26.53	154.3	3.88	2.91	1481.1
200	7.10	33.87	26.54	153.5	4.26	3.62	1481.2
225	6.91	33.92	26.60	147.5	4.64	4.42	1480.9
250	6.54	33.94	26.67	141.3	5.00	5.28	1479.9
300	6.00	33.99	26.78	131.4	5.68	7.15	1478.6
400	5.11	34.02	26.91	119.7	6.93	11.53	1476.7
500	4.69	34.09	27.02	110.1	8.09	16.71	1476.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
550.1	4.49	34.13	27.07	105.7	8.63	19.55	1476.7

WIND MIXED LAYER DEPTH = 10.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 12-15
STN:NCS1
78/6/8
0
3
6
9
12
15
TEMPERATURE C

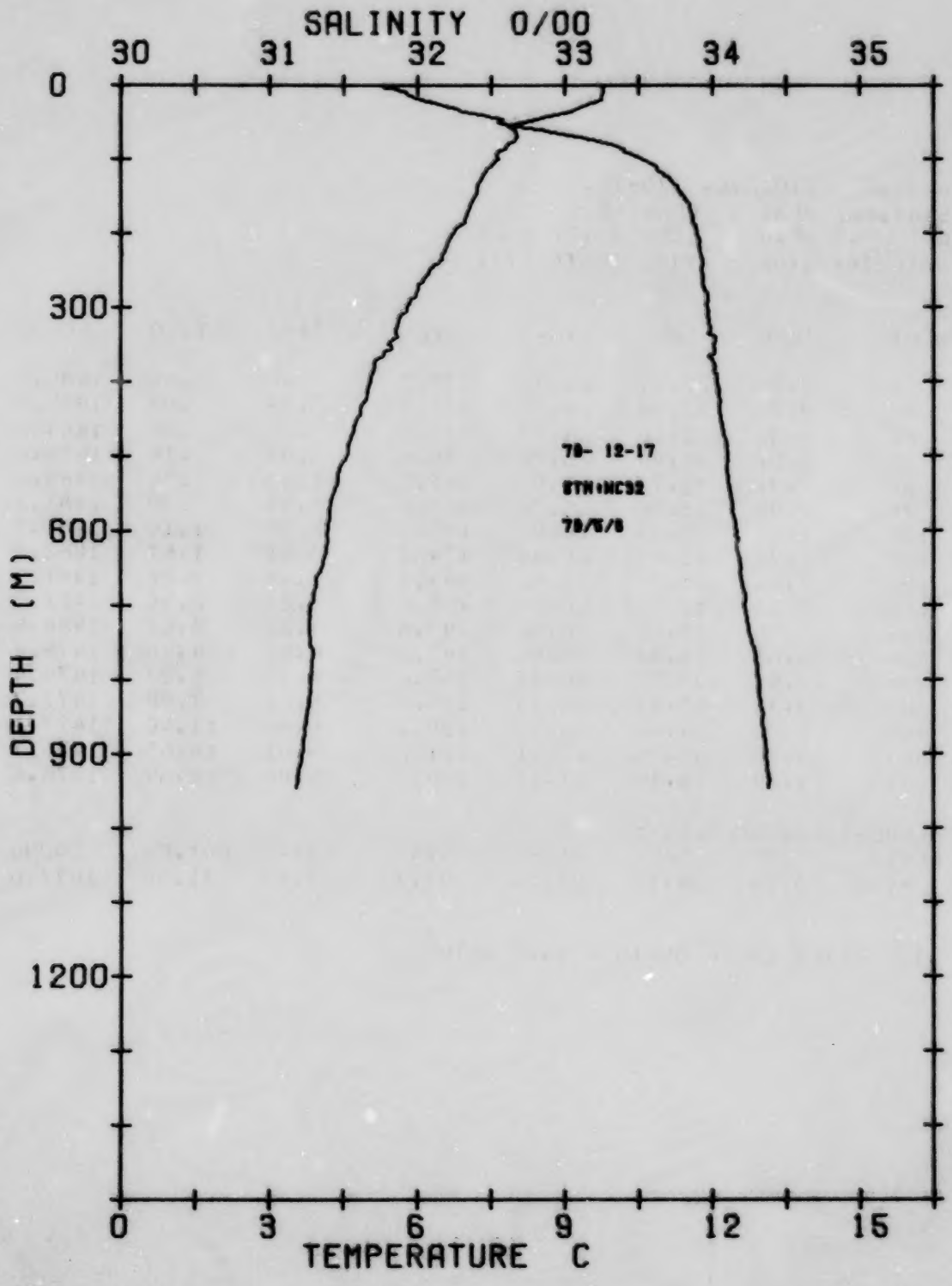
CRUISE : C.O.D.E. 79-12.
STATION: WC31 CONS #015
LAT N 49 35.0 LONG W 127 36.0
DATE 79/05/06 TIME (PST) 1731

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.74	32.09	24.75	320.7	.00	.00	1485.7
10	9.74	32.08	24.74	321.4	.32	.02	1485.9
20	9.32	32.10	24.83	313.4	.64	.06	1484.5
30	8.51	32.44	25.22	276.6	.93	.14	1482.0
50	7.91	32.73	25.53	247.1	1.45	.34	1480.4
75	7.92	33.06	25.78	223.2	2.03	.70	1481.3
100	7.82	33.37	26.05	198.7	2.55	1.16	1481.7
125	7.72	33.69	26.31	174.3	3.01	1.67	1482.2
150	7.46	33.76	26.42	164.2	3.44	2.26	1481.7
175	7.23	33.86	26.51	155.6	3.83	2.90	1481.3
200	6.98	33.89	26.58	149.8	4.22	3.62	1480.8
225	6.63	33.93	26.65	143.2	4.58	4.40	1479.8
250	6.41	33.95	26.70	138.8	4.93	5.23	1479.4
300	5.78	33.97	26.79	130.0	5.61	7.08	1477.7
400	5.22	34.03	26.90	120.4	6.86	11.46	1477.1
500	4.70	34.08	27.01	111.2	8.01	16.63	1476.7
600	4.20	34.16	27.12	100.9	9.06	22.39	1476.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
740.7	3.94	34.17	27.16	97.7	10.43	31.55	1477.6

WIND MIXED LAYER DEPTH = 14.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 12-17
STN:NC32
78/5/8
0
3
6
9
12
15
TEMPERATURE C

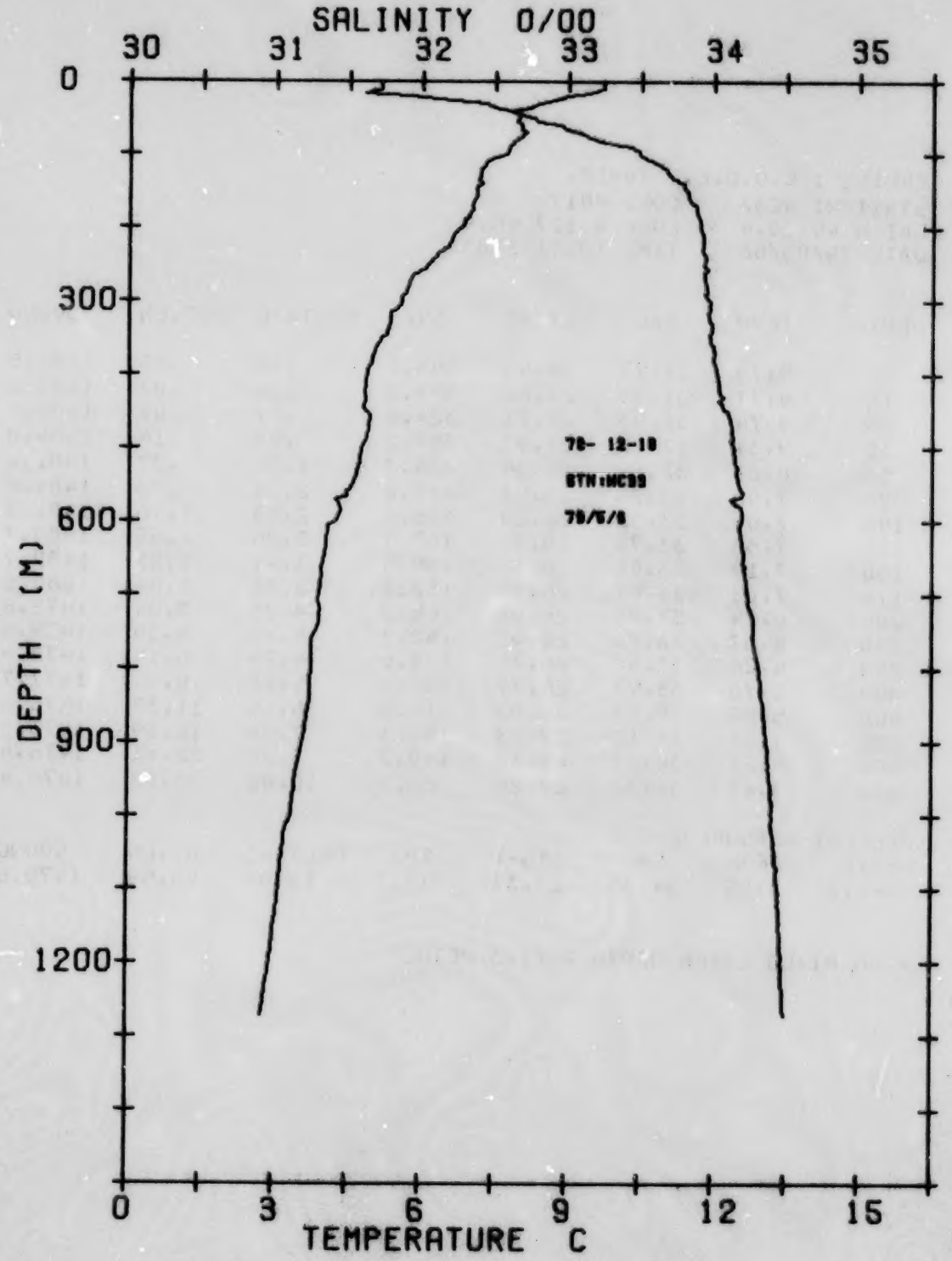
CRUISE : C.O.D.E. 79-12.
STATION: WC32 CONS #017
LAT N 49 29.4 LONG W 127 45.9
DATE 79/05/06 TIME (PST) 2103

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.79	31.77	24.49	345.0	.00	.00	1485.5
10	9.77	31.93	24.62	333.0	.34	.02	1485.8
20	9.74	32.03	24.71	324.9	.67	.07	1485.9
30	9.34	32.23	24.93	304.2	.98	.14	1484.9
50	8.23	32.55	25.34	264.7	1.55	.37	1481.4
75	7.98	33.24	25.92	210.6	2.14	.73	1481.8
100	7.64	33.52	26.19	185.4	2.63	1.16	1481.2
125	7.33	33.70	26.38	167.7	3.06	1.65	1480.7
150	7.19	33.81	26.48	158.5	3.47	2.21	1480.7
175	7.03	33.87	26.55	152.2	3.86	2.84	1480.5
200	6.74	33.90	26.61	146.2	4.23	3.54	1479.8
225	6.57	33.92	26.65	142.7	4.59	4.30	1479.6
250	6.28	33.93	26.70	138.6	4.94	5.14	1478.9
300	5.78	33.97	26.79	130.0	5.61	6.99	1477.7
400	5.06	34.03	26.93	118.0	6.85	11.32	1476.5
500	4.58	34.10	27.03	108.3	7.98	16.39	1476.3
600	4.21	34.17	27.13	100.2	9.02	22.11	1476.4
800	3.85	34.32	27.28	86.5	10.88	35.08	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
945.2	3.55	34.38	27.37	79.3	12.09	45.59	1479.6

WIND MIXED LAYER DEPTH = 21.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 12-18
STN:WC99
79/5/8
0
3
6
9
12
15
TEMPERATURE C

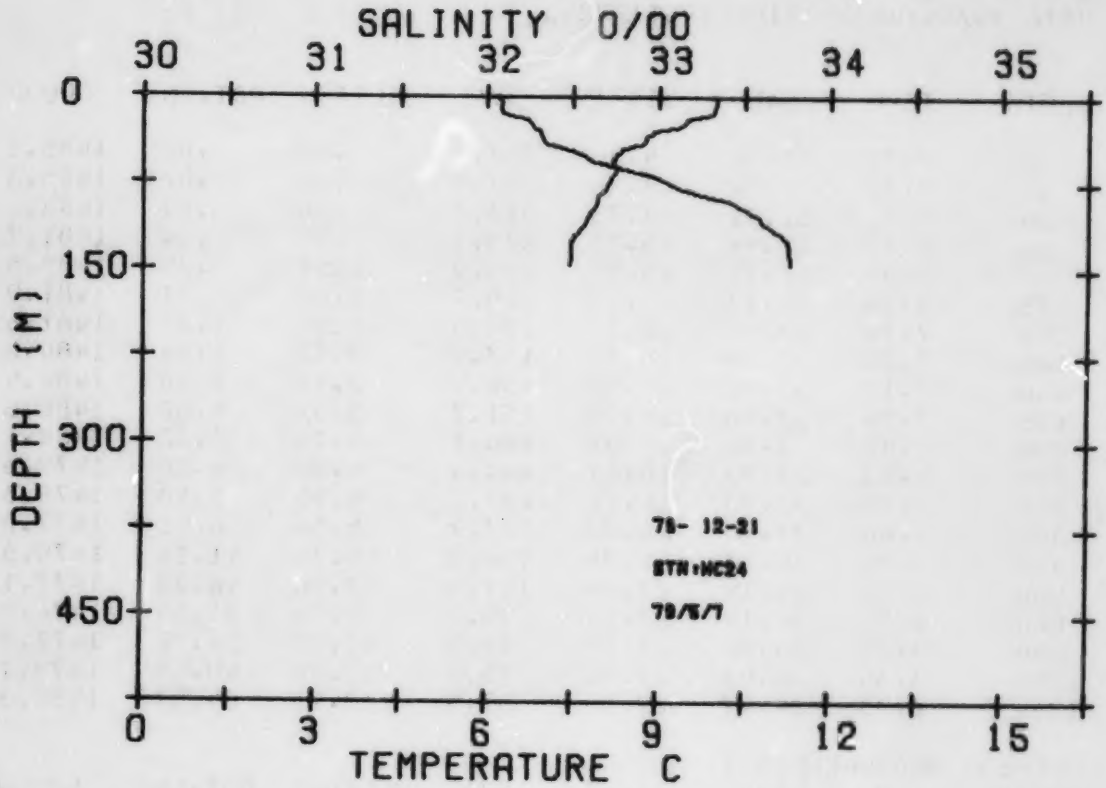
CRUISE : C.O.D.E. 79-12.
STATION: WC33 CONS #018
LAT N 49 23.2 LONG W 127 55.0
DATE 79/05/06 TIME (PST) 2243

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.72	31.72	24.46	347.8	.00	.00	1485.1
10	9.72	31.72	24.46	347.9	.35	.02	1485.3
20	9.01	31.91	24.73	323.2	.69	.07	1483.1
30	8.43	32.44	25.23	275.3	.99	.14	1481.7
50	7.99	32.77	25.55	245.0	1.51	.35	1480.8
75	8.05	33.13	25.82	219.7	2.09	.71	1481.9
100	7.75	33.49	26.15	189.0	2.59	1.15	1481.6
125	7.21	33.69	26.38	167.5	3.03	1.64	1480.2
150	7.13	33.82	26.50	156.7	3.44	2.20	1480.4
175	7.04	33.88	26.56	151.3	3.82	2.82	1480.6
200	6.80	33.91	26.61	146.1	4.19	3.52	1480.1
225	6.53	33.93	26.67	141.4	4.55	4.28	1479.5
250	6.15	33.93	26.71	137.2	4.90	5.10	1478.3
300	5.60	33.98	26.82	127.2	5.56	6.91	1477.0
400	4.89	34.03	26.94	116.3	6.78	11.18	1475.8
500	4.78	34.14	27.04	107.9	7.90	16.22	1477.1
600	4.26	34.19	27.14	99.0	8.93	21.89	1476.7
800	3.74	34.32	27.29	85.5	10.77	34.72	1477.9
1000	3.35	34.41	27.40	75.8	12.38	49.14	1479.7
1200	2.93	34.47	27.50	67.5	13.79	64.67	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1271.2	2.76	34.50	27.53	64.1	14.26	70.47	1481.8

WIND MIXED LAYER DEPTH = 10.6 METRES

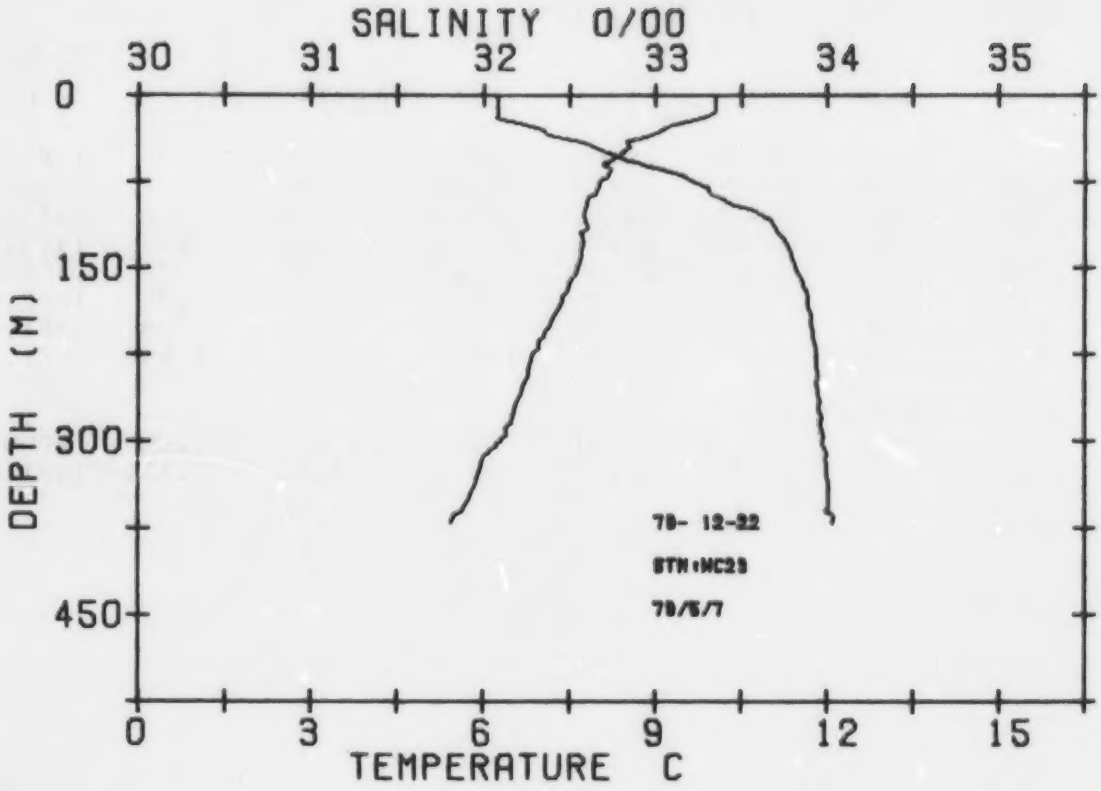

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 12-21
STN:HC24
78/5/7
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC24 CONS #0<1
LAT N 49 15.8 LONG W 126 53.3
DATE 79/05/07 TIME (PST) 1535

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.00	32.06	24.69	326.5	.00	.00	1486.6
10	9.96	32.08	24.71	324.5	.32	.02	1486.7
20	9.48	32.24	24.91	305.7	.64	.06	1485.3
30	8.93	32.31	25.05	292.4	.94	.14	1483.4
50	8.27	32.55	25.34	265.2	1.51	.36	1481.6
75	8.11	33.06	25.76	225.7	2.13	.75	1482.0
100	7.81	33.54	26.18	186.2	2.64	1.19	1481.9
125	7.48	33.75	26.39	166.2	3.08	1.69	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
145.0	7.45	33.77	26.41	165.0	3.41	2.13	1481.6


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 12-22
STN:NC23
78/5/7
0
3
6
9
12
15
TEMPERATURE C

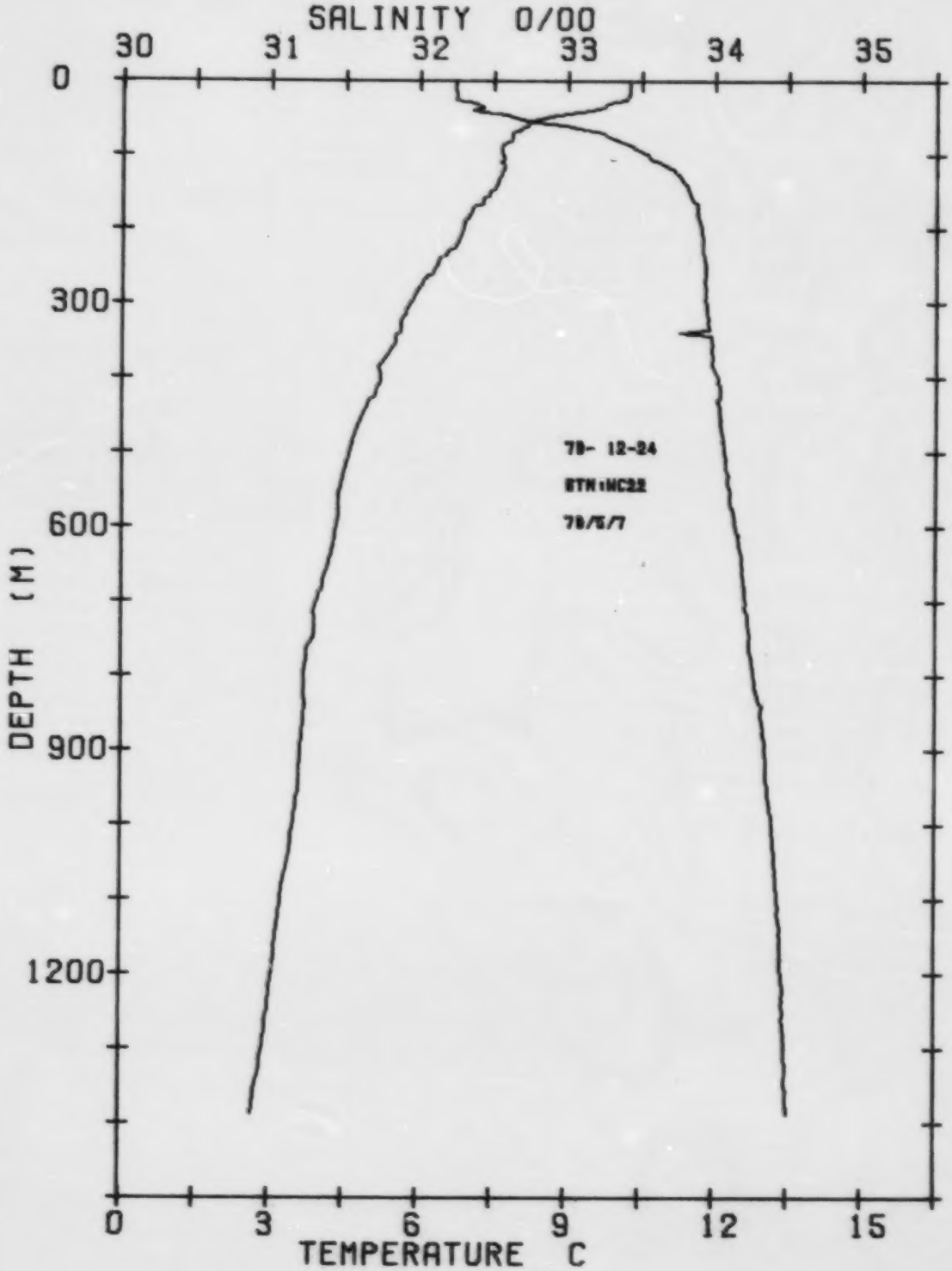
CRUISE : C.O.D.E. 79-12.
STATION: WC23 CONS #022
LAT N 49 10.2 LONG W 127 02.0
DATE 79/05/07 TIME (PST) 1833

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.06	32.06	24.69	326.3	.00	.00	1486.9
10	10.05	32.08	24.69	326.1	.33	.02	1487.0
20	9.83	32.07	24.72	324.1	.65	.07	1486.4
30	9.15	32.34	25.04	293.1	.96	.14	1484.3
50	8.46	32.73	25.45	254.3	1.50	.36	1482.5
75	8.05	33.22	25.89	213.1	2.08	.72	1482.0
100	7.77	33.59	26.23	181.5	2.58	1.15	1481.8
125	7.73	33.75	26.35	170.0	3.02	1.64	1482.3
150	7.66	33.82	26.42	163.9	3.44	2.22	1482.5
175	7.39	33.89	26.51	155.6	3.84	2.87	1482.0
200	7.17	33.91	26.56	151.0	4.22	3.58	1481.5
225	6.88	33.94	26.62	145.8	4.59	4.37	1480.8
250	6.73	33.94	26.64	143.9	4.95	5.23	1480.7
300	6.30	33.97	26.73	136.8	5.65	7.16	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
370.1	5.44	34.03	26.88	122.7	6.56	10.19	1477.6

WIND MIXED LAYER DEPTH = 15.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-24
STN:NC22
79/5/7
0
3
6
9
12
15
TEMPERATURE C

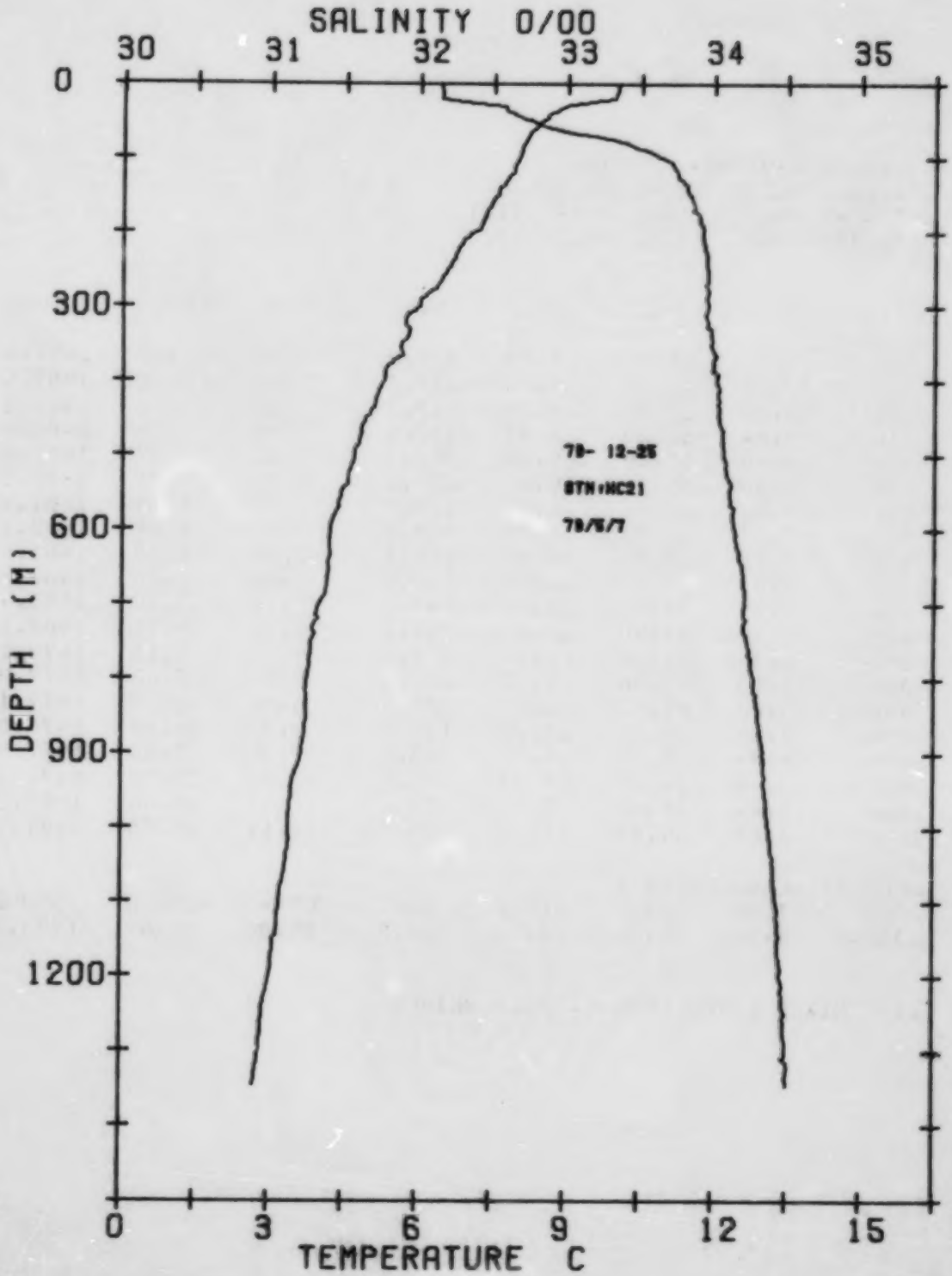
CRUISE : C.O.D.E. 79-12.
STATION: WC22 CONS 4024
LAT N 49 04.8 LONG W 127 11.1
DATE 79/05/07 TIME (PST) 2023

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.26	32.25	24.79	316.9	.00	.00	1487.8
10	10.25	32.24	24.78	317.7	.32	.02	1487.9
20	10.26	32.25	24.79	317.1	.63	.06	1488.1
30	9.84	32.39	24.97	300.5	.95	.14	1486.9
50	8.60	32.65	25.36	262.9	1.52	.37	1483.0
75	7.90	33.26	25.96	206.1	2.09	.72	1481.5
100	7.68	33.55	26.20	183.8	2.57	1.14	1481.4
125	7.67	33.75	26.36	169.1	3.02	1.64	1482.1
150	7.43	33.83	26.46	160.1	3.43	2.20	1481.6
175	7.09	33.88	26.55	152.0	3.82	2.84	1480.8
200	6.89	33.91	26.60	147.5	4.19	3.54	1480.4
225	6.71	33.92	26.64	144.4	4.56	4.32	1480.1
250	6.36	33.94	26.69	139.3	4.91	5.15	1479.2
300	5.83	33.95	26.77	132.3	5.59	7.02	1477.9
400	5.22	34.02	26.90	120.4	6.86	11.47	1477.1
500	4.60	34.07	27.01	110.7	8.02	16.67	1476.3
600	4.34	34.15	27.10	103.1	9.09	22.53	1477.0
800	3.70	34.27	27.27	88.0	10.99	35.79	1477.7
1000	3.49	34.40	27.34	77.6	12.64	50.66	1480.3
1200	3.07	34.47	27.48	69.3	14.11	66.73	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1386.2	2.66	34.51	27.55	62.3	15.36	82.89	1483.3

WIND MIXED LAYER DEPTH = 25.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-25
STN:HC21
79/5/7
0
3
6
9
12
15
TEMPERATURE C

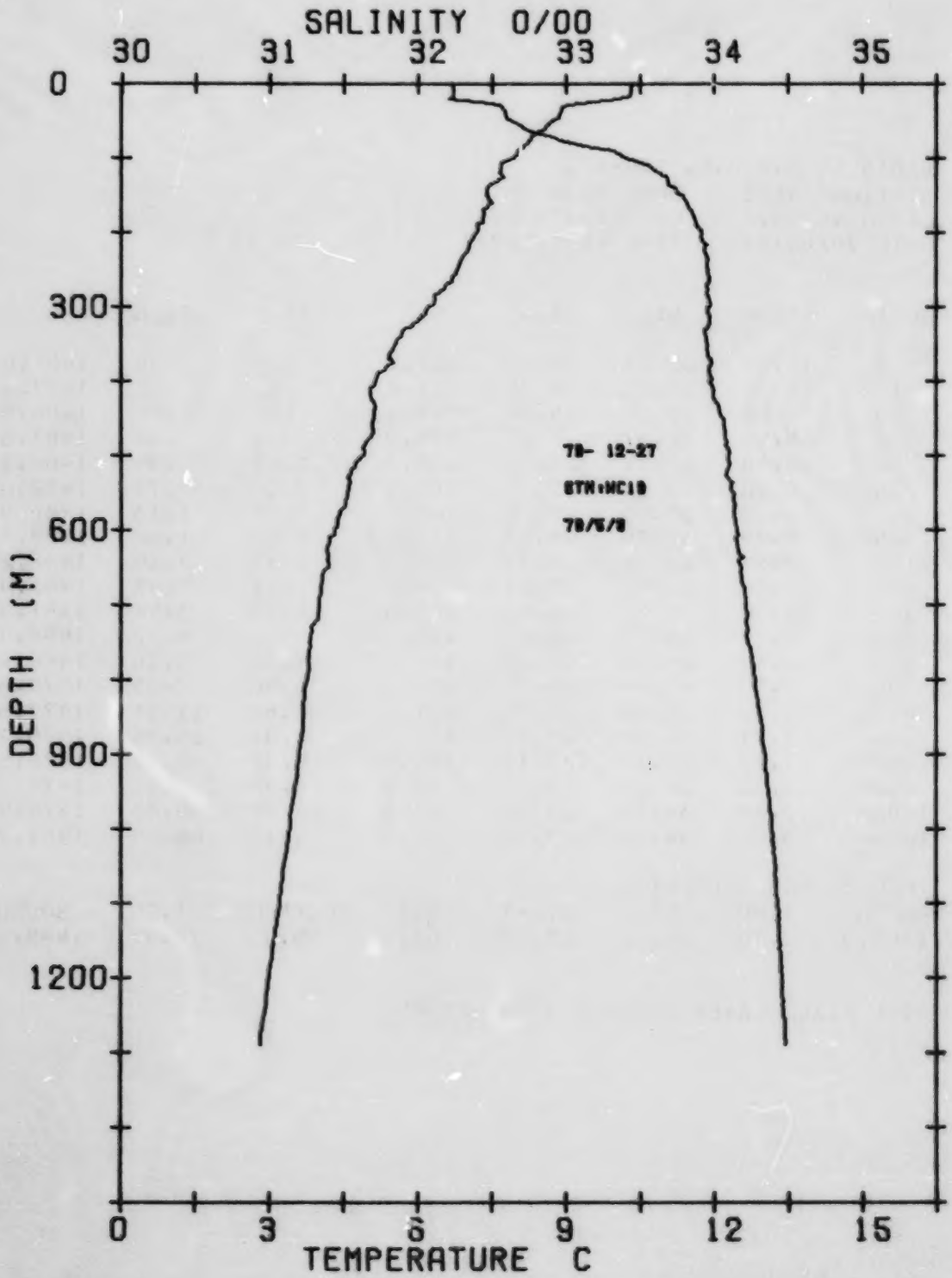
CRUISE : C.O.D.E. 79-12.
STATION: WC21 CONS 4025
LAT N 48 59.0 LONG W 127 20.0
DATE 79/05/07 TIME (PST) 2223

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.03	32.14	24.74	321.5	.00	.00	1486.8
10	10.02	32.15	24.75	321.0	.32	.02	1487.0
20	9.96	32.14	24.75	320.5	.64	.06	1486.9
30	8.93	32.57	25.25	272.9	.94	.14	1483.8
50	8.48	32.77	25.48	252.1	1.47	.35	1482.7
75	8.16	33.34	25.97	205.6	2.05	.71	1482.6
100	8.02	33.65	26.24	180.9	2.53	1.13	1482.9
125	7.79	33.75	26.35	170.6	2.96	1.62	1482.5
150	7.58	33.84	26.45	161.7	3.38	2.19	1482.2
175	7.34	33.90	26.53	154.1	3.77	2.83	1481.8
200	7.09	33.92	26.58	149.8	4.15	3.54	1481.3
225	6.77	33.95	26.65	143.1	4.52	4.32	1480.4
250	6.57	33.96	26.68	140.5	4.88	5.16	1480.0
300	5.99	33.96	26.75	133.8	5.56	7.05	1478.6
400	5.30	34.02	26.89	121.6	6.84	11.51	1477.5
500	4.71	34.07	27.00	112.2	8.01	16.75	1476.7
600	4.22	34.15	27.11	101.9	9.07	22.62	1476.5
800	3.76	34.28	27.26	88.5	10.98	35.91	1478.0
1000	3.40	34.39	27.38	77.8	12.64	50.83	1479.9
1200	3.02	34.46	27.48	69.3	14.10	66.88	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1345.0	2.70	34.51	27.55	62.8	15.05	78.97	1482.8

WIND MIXED LAYER DEPTH = 19.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 12-27
STN:HC19
78/5/8
0
3
6
9
12
15
TEMPERATURE C

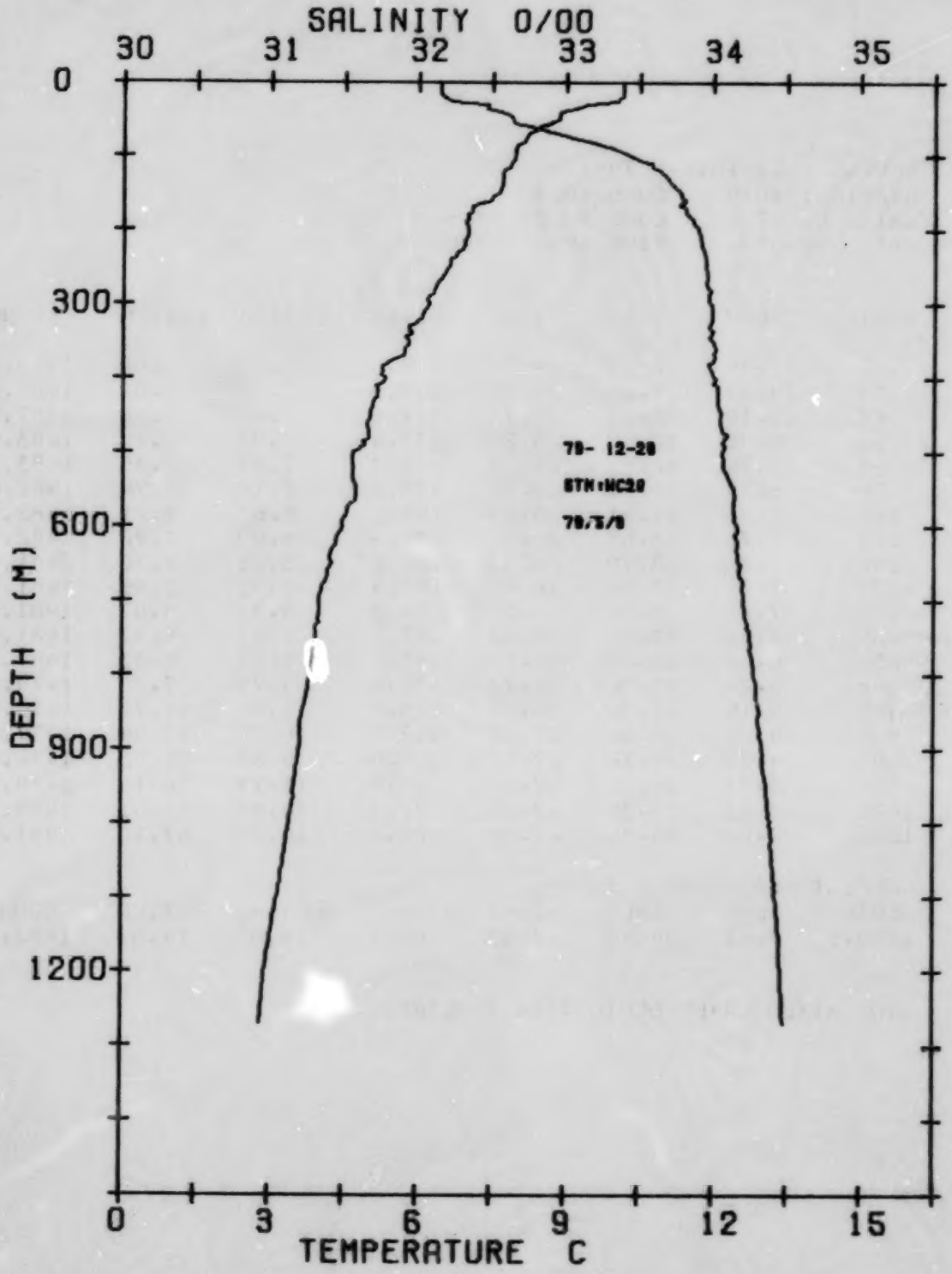
CRUISE : C.O.D.E. 79-12.
STATION: WC19 CONS #027
LAT N 48 47.8 LONG W 127 37.3
DATE 79/05/08 TIME (PST) 1720

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.34	32.23	24.76	319.5	.00	.00	1488.1
10	10.33	32.24	24.77	319.0	.32	.02	1488.2
20	10.10	32.21	24.78	317.8	.64	.06	1487.5
30	8.96	32.57	25.25	273.4	.93	.14	1483.9
50	8.75	32.63	25.33	266.3	1.47	.35	1483.5
75	8.28	32.96	25.66	235.3	2.10	.74	1482.6
100	7.96	33.41	26.05	198.1	2.63	1.21	1482.3
125	7.73	33.68	26.30	174.9	3.09	1.72	1482.2
150	7.38	33.79	26.43	162.8	3.51	2.30	1481.4
175	7.35	33.86	26.49	157.4	3.91	2.95	1481.8
200	7.20	33.92	26.56	151.3	4.30	3.67	1481.7
225	7.01	33.94	26.61	147.0	4.67	4.47	1481.4
250	6.80	33.96	26.65	143.2	5.03	5.33	1481.0
300	6.24	33.96	26.73	136.8	5.73	7.25	1479.6
400	5.15	33.98	26.87	123.4	7.03	11.77	1476.8
500	4.93	34.10	27.00	112.3	8.20	17.04	1477.7
600	4.32	34.16	27.11	101.9	9.27	22.92	1476.9
800	3.77	34.28	27.26	88.5	11.17	36.18	1478.0
1000	3.41	34.39	27.39	77.3	12.82	51.01	1479.9
1200	3.00	34.46	27.48	68.8	14.29	67.10	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1290.0	2.81	34.48	27.52	65.7	14.90	74.67	1482.3

WIND MIXED LAYER DEPTH = 18.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-28
STN:WC28
0
3
6
9
12
15
TEMPERATURE C

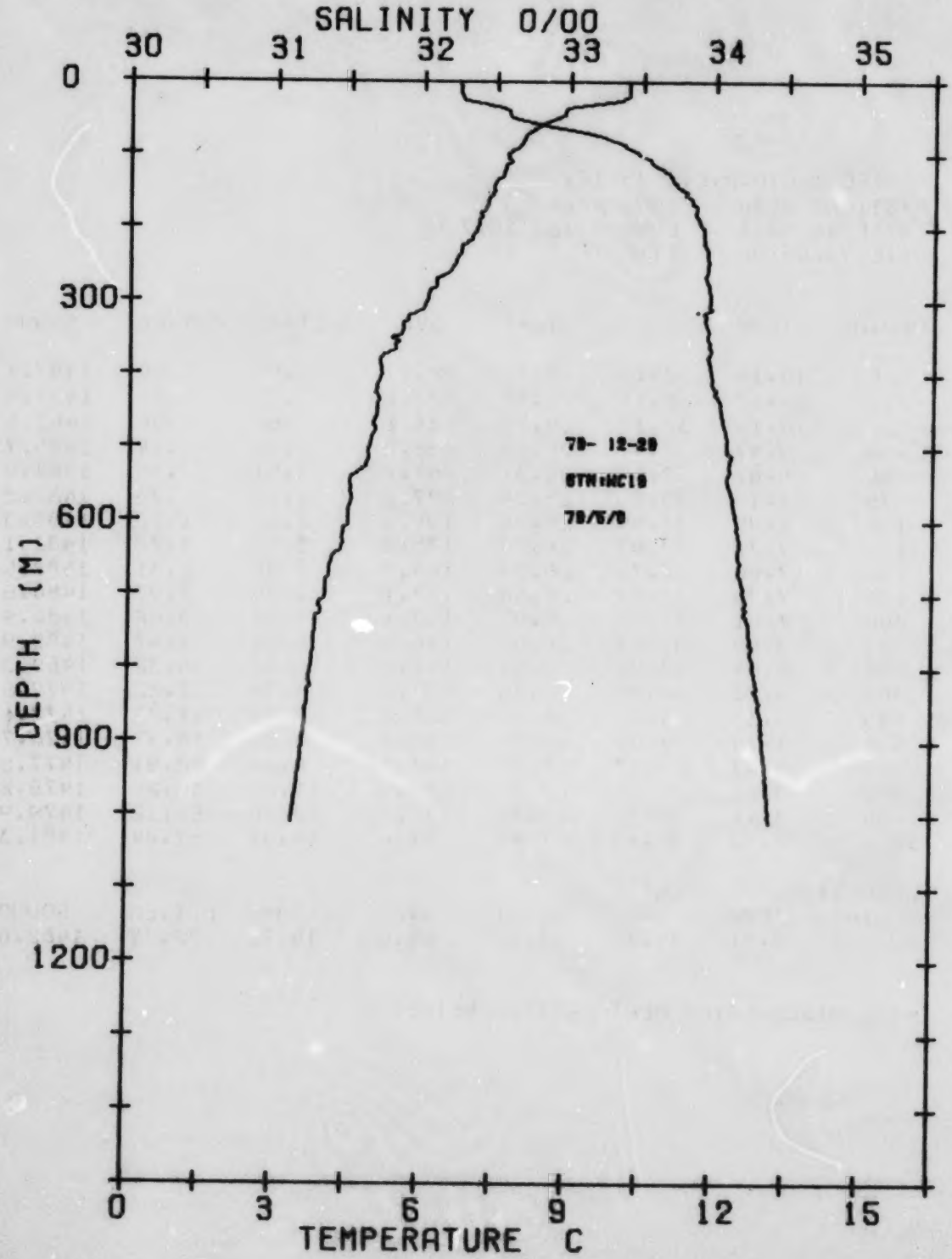
CRUISE : C.O.D.E. 79-12.
STATION: WC20 CONS 8028
LAT N 48 53.1 LONG W 127 28.7
DATE 79/05/08 TIME (PST) 1917

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.18	32.14	24.72	323.4	.00	.00	1487.4
10	10.17	32.15	24.72	323.1	.32	.02	1487.5
20	10.14	32.17	24.75	321.1	.65	.06	1487.6
30	9.47	32.47	25.09	288.9	.96	.14	1485.7
50	8.87	32.64	25.31	267.7	1.51	.36	1484.0
75	8.18	33.05	25.74	227.2	2.13	.75	1482.3
100	7.95	33.44	26.08	195.3	2.65	1.20	1482.3
125	7.72	33.67	26.29	175.8	3.12	1.72	1482.1
150	7.66	33.78	26.39	166.9	3.55	2.31	1482.5
175	7.08	33.81	26.50	157.1	3.95	2.97	1480.6
200	7.01	33.90	26.57	150.1	4.33	3.68	1480.9
225	6.89	33.93	26.62	146.3	4.70	4.47	1480.9
250	6.64	33.95	26.67	141.8	5.06	5.32	1480.3
300	6.23	33.99	26.75	134.6	5.75	7.22	1479.6
400	5.33	34.02	26.88	122.2	7.04	11.71	1477.6
500	4.70	34.06	26.99	112.5	8.21	16.97	1476.7
600	4.47	34.17	27.10	103.2	9.29	22.91	1477.5
800	3.81	34.28	27.26	88.5	11.20	36.25	1478.2
1000	3.41	34.39	27.39	77.6	12.86	51.12	1479.9
1200	2.92	34.47	27.49	67.6	14.31	67.04	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1270.2	2.81	34.49	27.52	65.6	14.78	72.82	1482.0

WIND MIXED LAYER DEPTH = 22.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-29
STN:NC19
79/5/8
0
3
6
9
12
15
TEMPERATURE C

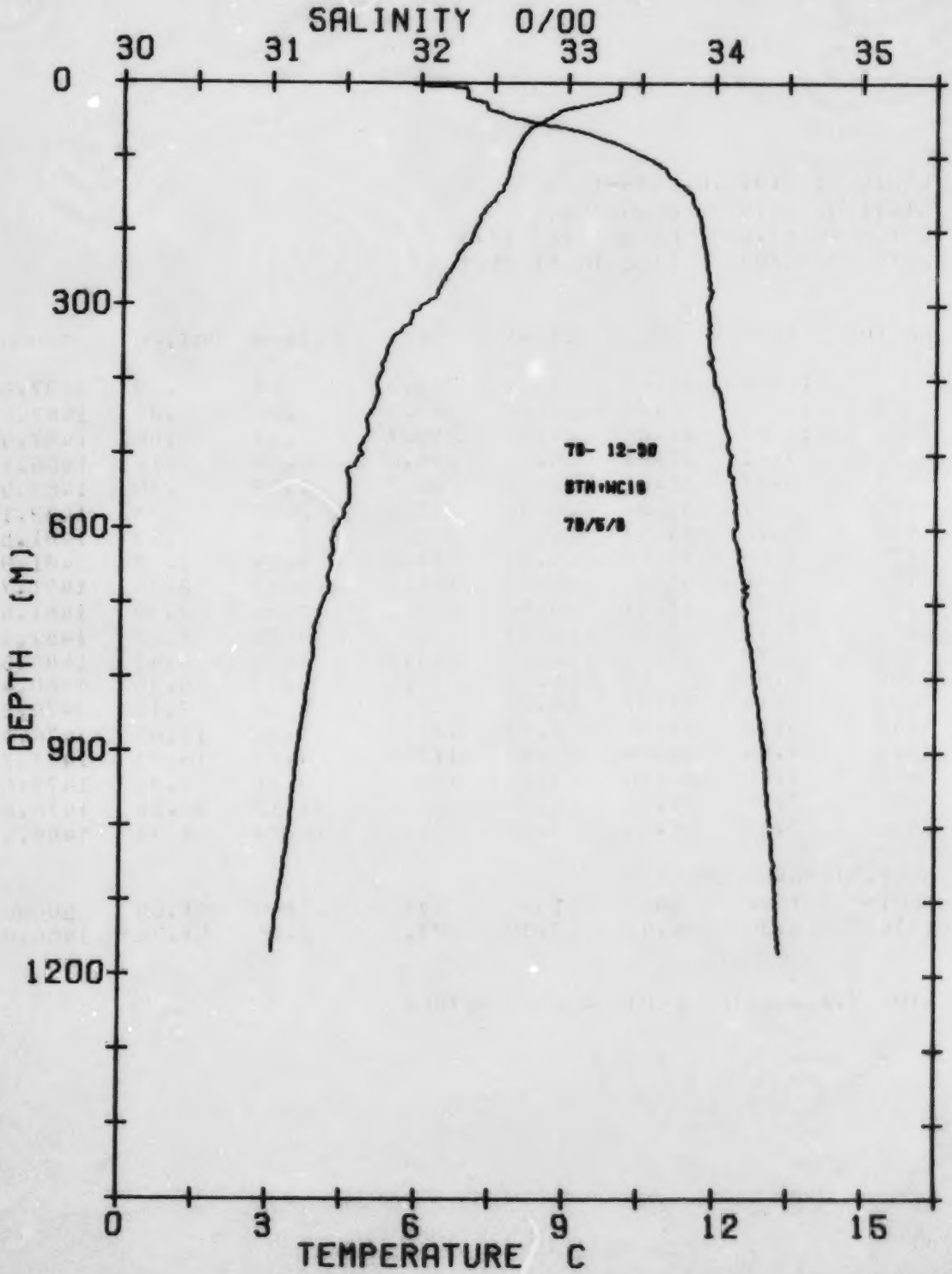
CRUISE : C.O.D.E. 79-12.
STATION: WC19 CONS #029
LAT N 48 47.8 LONG W 127 37.3
DATE 79/05/08 TIME (PST) 2121

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.20	32.24	24.79	316.8	.00	.00	1487.6
10	10.20	32.25	24.80	315.9	.32	.02	1487.8
20	10.20	32.26	24.80	315.7	.63	.06	1487.9
30	9.61	32.41	25.02	295.6	.94	.14	1486.1
50	8.77	32.61	25.31	268.2	1.49	.36	1483.5
75	8.07	33.24	25.90	211.9	2.09	.73	1482.1
100	7.72	33.47	26.14	189.8	2.59	1.17	1481.5
125	7.65	33.66	26.31	174.2	3.04	1.68	1481.9
150	7.46	33.80	26.43	162.8	3.47	2.26	1481.7
175	7.26	33.87	26.52	155.2	3.86	2.90	1481.4
200	7.12	33.92	26.57	150.1	4.25	3.62	1481.4
225	6.79	33.94	26.64	144.3	4.62	4.41	1480.5
250	6.66	33.95	26.66	142.5	4.97	5.26	1480.4
300	6.10	33.97	26.75	134.2	5.66	7.15	1479.0
400	5.18	33.98	26.87	123.4	6.95	11.63	1476.9
500	4.94	34.09	26.99	113.1	8.13	16.93	1477.7
600	4.49	34.16	27.09	104.1	9.21	22.89	1477.6
800	3.76	34.28	27.26	88.3	11.12	36.22	1478.0
1000	3.42	34.39	27.39	77.6	12.77	50.98	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1010.0	3.39	34.40	27.39	77.1	12.85	51.76	1480.0

WIND MIXED LAYER DEPTH = 25.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

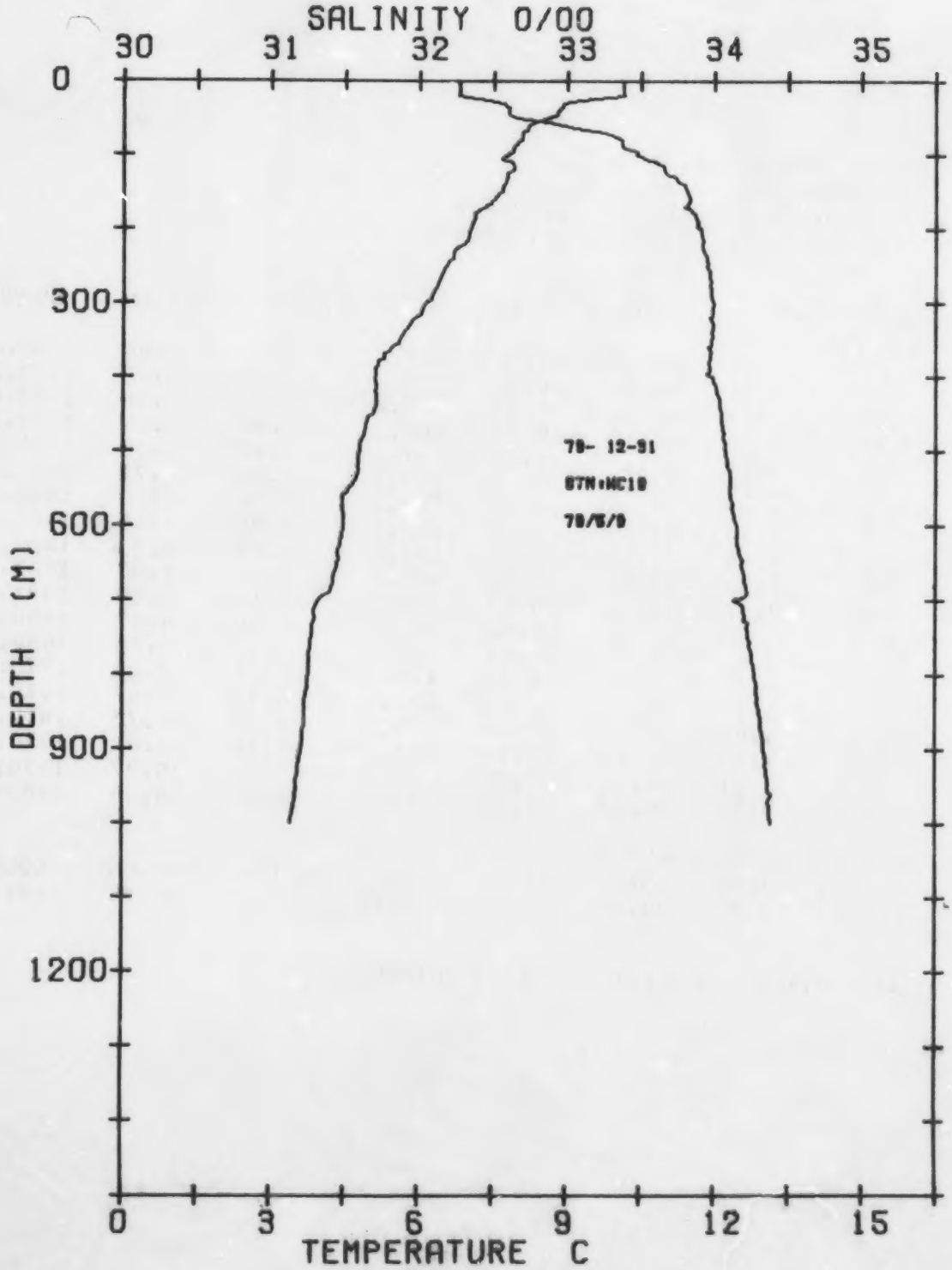
CRUISE : C.O.D.E. 79-12.
STATION: WC18 CONS 4030
LAT N 48 42.0 LONG W 127 46.0
DATE 79/05/08 TIME (PST) 2304

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.04	32.06	24.68	327.4	.00	.00	1486.8
10	10.04	32.32	24.88	308.6	.32	.02	1487.3
20	10.03	32.31	24.87	309.0	.63	.06	1487.4
30	9.32	32.45	25.09	288.2	.92	.14	1485.1
50	8.56	32.72	25.42	257.2	1.47	.35	1482.9
75	8.08	33.24	25.91	211.7	2.05	.71	1482.1
100	7.91	33.53	26.16	188.1	2.55	1.15	1482.3
125	7.79	33.69	26.30	174.8	3.00	1.65	1482.4
150	7.60	33.84	26.45	161.5	3.42	2.23	1482.3
175	7.30	33.86	26.52	154.8	3.81	2.87	1481.6
200	7.12	33.91	26.57	150.3	4.19	3.59	1481.3
225	6.86	33.94	26.62	145.6	4.56	4.37	1480.8
250	6.65	33.95	26.67	141.9	4.92	5.23	1480.4
300	6.02	33.95	26.75	134.5	5.61	7.13	1478.7
400	5.17	34.00	26.89	121.7	6.89	11.57	1476.9
500	4.85	34.12	27.02	110.3	8.04	16.77	1477.4
600	4.33	34.14	27.10	103.2	9.11	22.61	1476.9
800	3.81	34.28	27.26	88.8	11.02	35.97	1478.2
1000	3.44	34.39	27.38	78.3	12.68	50.85	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1170.3	3.08	34.45	27.46	70.7	13.94	64.55	1481.4

WIND MIXED LAYER DEPTH = 16.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-31
STN:WC10
79/5/9
0
3
6
9
12
15
TEMPERATURE C

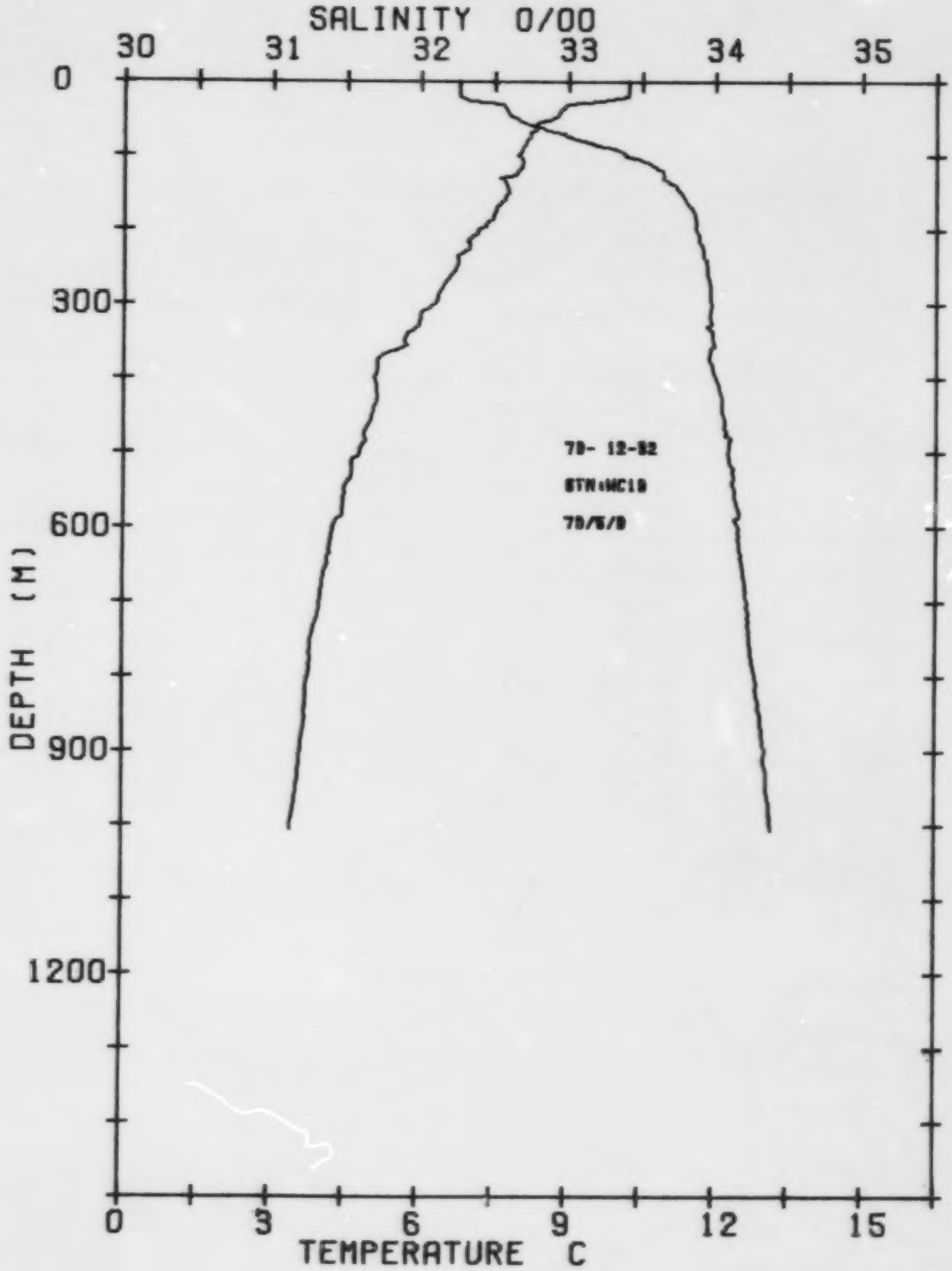
CRUISE : C.O.D.E. 79-12.
STATION: WC19 CONS #031
LAT N 48 47.8 LONG W 127 37.3
DATE 79/05/09 TIME (PST) 0108

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.15	32.27	24.82	313.8	.00	.00	1487.4
10	10.15	32.27	24.82	314.2	.31	.02	1487.6
20	10.16	32.26	24.82	314.6	.63	.06	1487.8
30	8.94	32.57	25.25	273.7	.92	.14	1483.8
50	8.65	32.66	25.37	262.6	1.46	.35	1483.2
75	8.09	33.34	25.98	204.6	2.03	.70	1482.3
100	7.81	33.47	26.13	191.0	2.52	1.14	1481.8
125	7.78	33.68	26.29	176.0	2.98	1.65	1482.4
150	7.67	33.82	26.42	164.4	3.40	2.23	1482.6
175	7.20	33.84	26.51	156.3	3.80	2.88	1481.2
200	7.05	33.91	26.57	150.1	4.19	3.60	1481.1
225	6.79	33.92	26.62	145.6	4.56	4.39	1480.5
250	6.57	33.95	26.68	140.9	4.91	5.23	1480.0
300	6.14	34.00	26.77	132.4	5.60	7.12	1479.2
400	5.11	33.99	26.88	122.2	6.88	11.58	1476.6
500	4.79	34.08	26.99	112.6	8.05	16.84	1477.1
600	4.47	34.16	27.09	103.9	9.13	22.78	1477.5
800	3.77	34.28	27.26	88.4	11.05	36.19	1478.0
1000	3.43	34.39	27.38	77.9	12.71	51.09	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.43	34.39	27.38	77.9	12.71	51.09	1480.0

WIND MIXED LAYER DEPTH = 19.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-82
STN:MC19
79/5/9
0
3
6
9
12
15
TEMPERATURE C

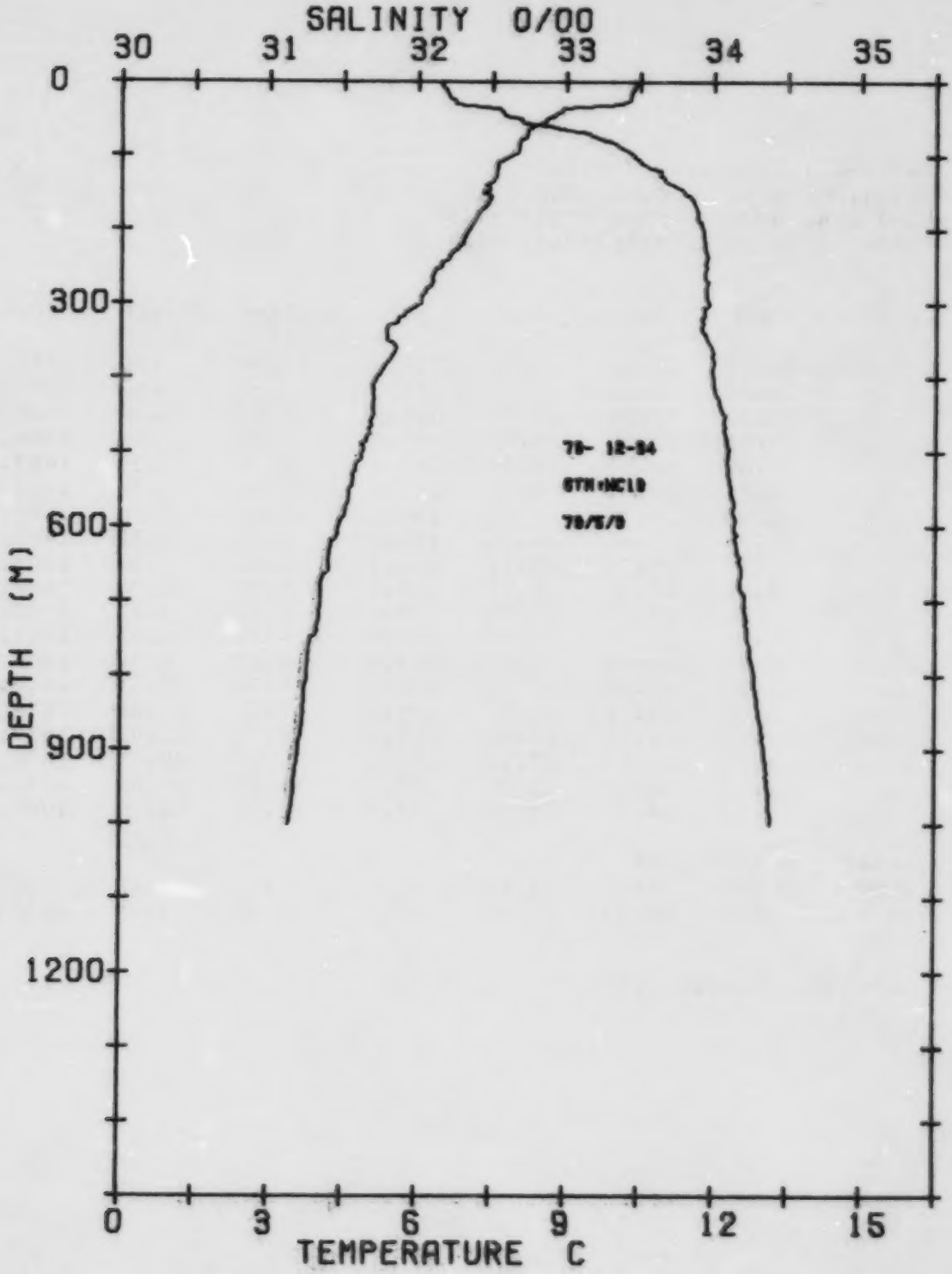
CRUISE : C.O.D.E. 79-12.
STATION: WC19 CONS #052
LAT N 48 47.8 LONG W 127 37.3
DATE 79/05/09 TIME (PST) 0524

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.22	32.26	24.80	315.4	.00	.00	1487.7
10	10.23	32.26	24.80	315.8	.32	.02	1487.9
20	10.22	32.26	24.80	315.7	.63	.06	1488.0
30	9.01	32.55	25.23	275.5	.93	.14	1484.1
50	8.69	32.66	25.36	263.6	1.47	.35	1483.3
75	8.21	33.01	25.71	230.6	2.09	.74	1482.4
100	7.99	33.39	26.04	199.8	2.62	1.20	1482.4
125	7.94	33.65	26.25	180.0	3.09	1.72	1483.0
150	7.79	33.77	26.37	169.3	3.52	2.32	1483.0
175	7.54	33.86	26.47	160.1	3.93	2.99	1482.5
200	7.21	33.87	26.53	154.8	4.32	3.73	1481.6
225	6.98	33.92	26.60	148.4	4.70	4.53	1481.2
250	6.75	33.95	26.65	143.6	5.07	5.39	1480.7
300	6.30	33.98	26.73	136.3	5.76	7.31	1479.8
400	5.06	34.01	26.91	120.0	7.05	11.80	1476.5
500	4.79	34.09	27.01	111.3	8.21	17.01	1477.1
600	4.26	34.17	27.12	100.6	9.27	22.81	1476.6
800	3.78	34.28	27.26	88.3	11.16	36.02	1478.1
1000	3.43	34.39	27.38	77.9	12.82	50.94	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.1	3.42	34.39	27.38	77.9	12.86	51.34	1480.1

WIND MIXED LAYER DEPTH = 20.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

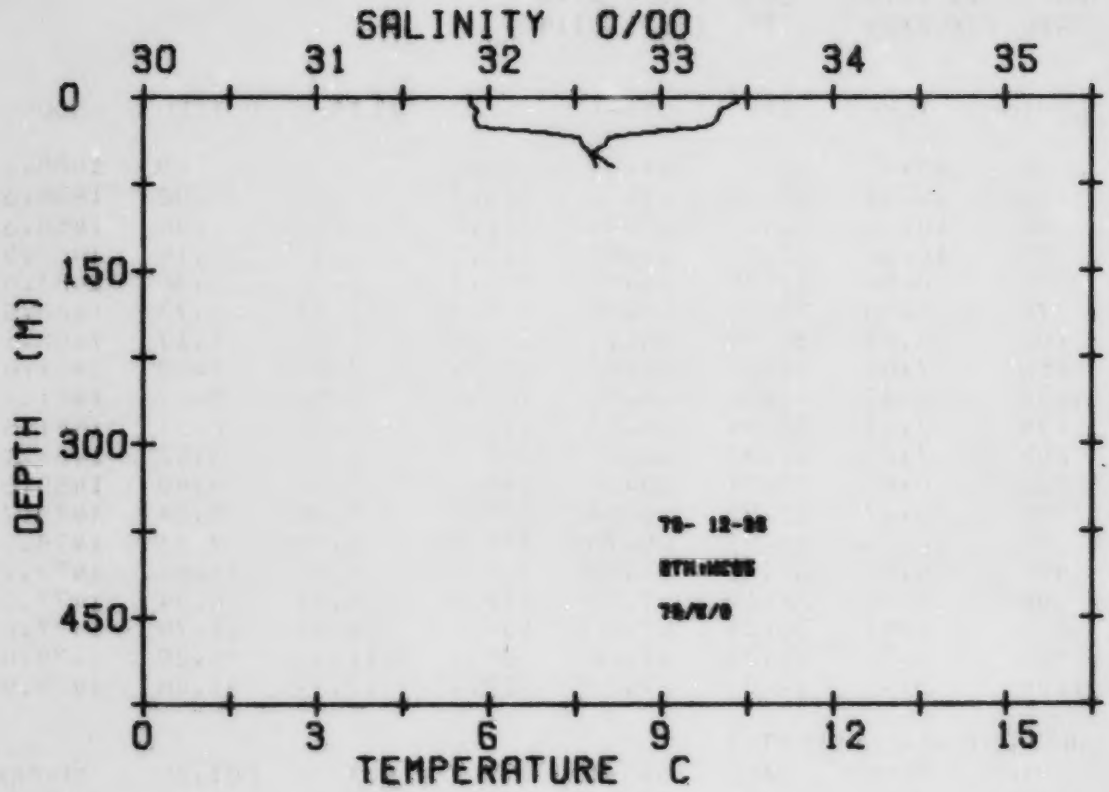
CRUISE : C.O.D.E. 79-12.
STATION: WC19 CONS #034
LAT N 48 48.0 LONG W 127 37.3
DATE 79/05/09 TIME (PST) 1114

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.43	32.15	24.68	326.7	.00	.00	1488.3
10	10.37	32.19	24.72	323.3	.33	.02	1488.3
20	10.32	32.21	24.75	321.0	.65	.06	1488.3
30	10.16	32.25	24.81	315.7	.97	.14	1487.9
50	8.60	32.70	25.40	259.3	1.52	.36	1483.0
75	8.18	33.20	25.86	216.3	2.11	.73	1482.5
100	7.89	33.46	26.11	193.0	2.62	1.17	1482.1
125	7.60	33.63	26.28	176.5	3.08	1.69	1481.6
150	7.32	33.80	26.45	161.1	3.50	2.27	1481.2
175	7.27	33.89	26.53	154.2	3.90	2.91	1481.5
200	7.05	33.93	26.59	148.4	4.27	3.62	1481.1
225	6.82	33.94	26.64	144.4	4.64	4.40	1480.6
250	6.47	33.95	26.68	140.1	5.00	5.24	1479.7
300	6.06	33.97	26.76	133.6	5.68	7.13	1478.9
400	5.19	34.00	26.88	122.2	6.96	11.60	1477.0
500	4.90	34.10	27.00	112.0	8.13	16.84	1477.6
600	4.41	34.14	27.08	104.6	9.21	22.79	1477.2
800	3.78	34.28	27.26	88.8	11.13	36.20	1478.0
1000	3.40	34.39	27.39	77.4	12.79	51.06	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.40	34.39	27.39	77.3	12.79	51.06	1479.9

WIND MIXED LAYER DEPTH = 29.3 METRES

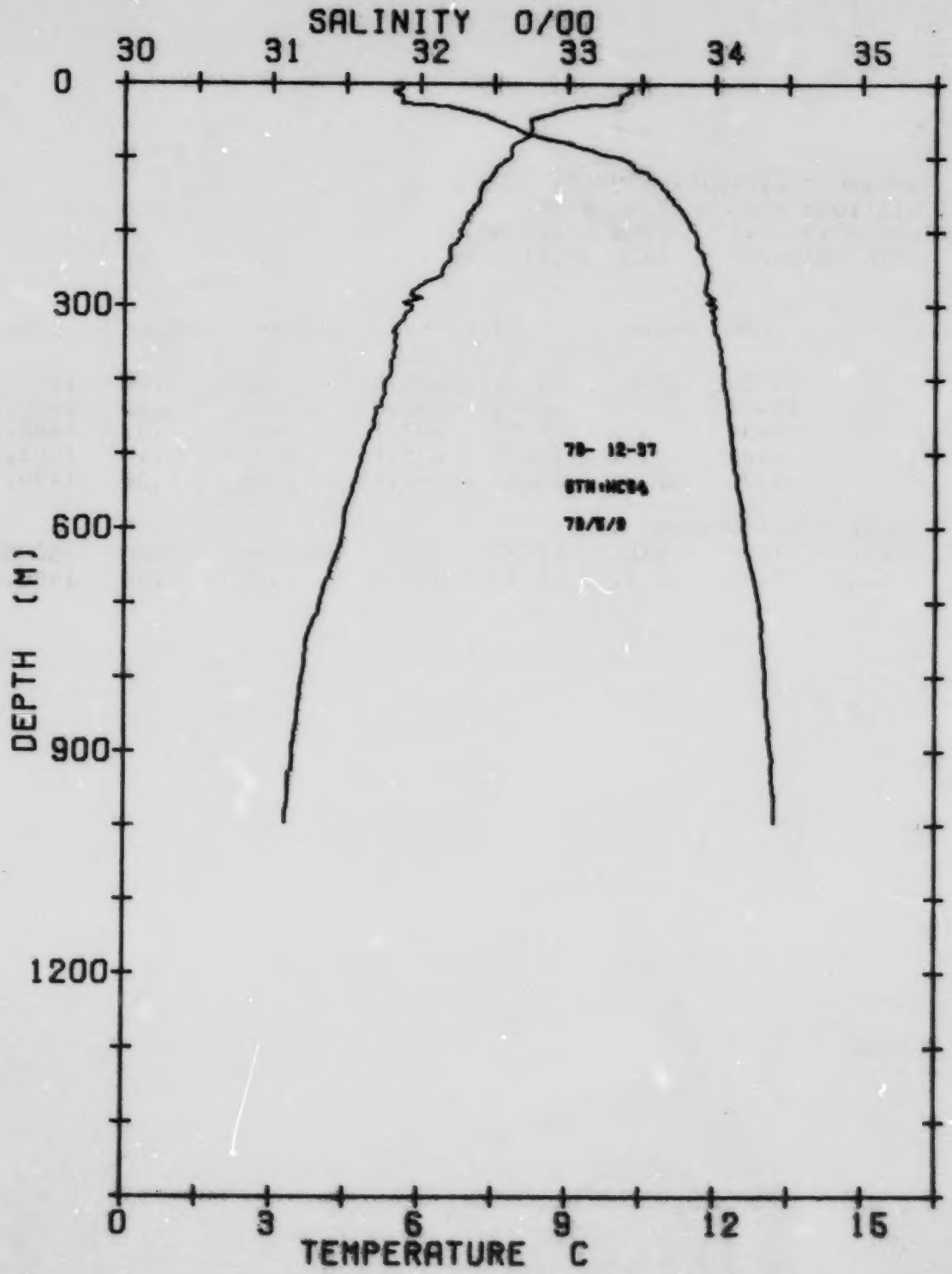

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: #C65 CONS #036
LAT N 49 06.3 LONG W 127 35.0
DATE 79/05/09 TIME (PST) 1858

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.33	31.89	24.50	344.5	.00	.00	1487.6
10	10.07	31.93	24.57	338.0	.34	.02	1486.9
20	9.98	31.92	24.58	337.1	.68	.07	1486.7
30	8.80	32.31	25.07	290.7	1.00	.15	1483.0
50	7.76	32.61	25.46	254.1	1.53	.36	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
60.1	7.85	32.72	25.53	247.0	1.79	.50	1480.4


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

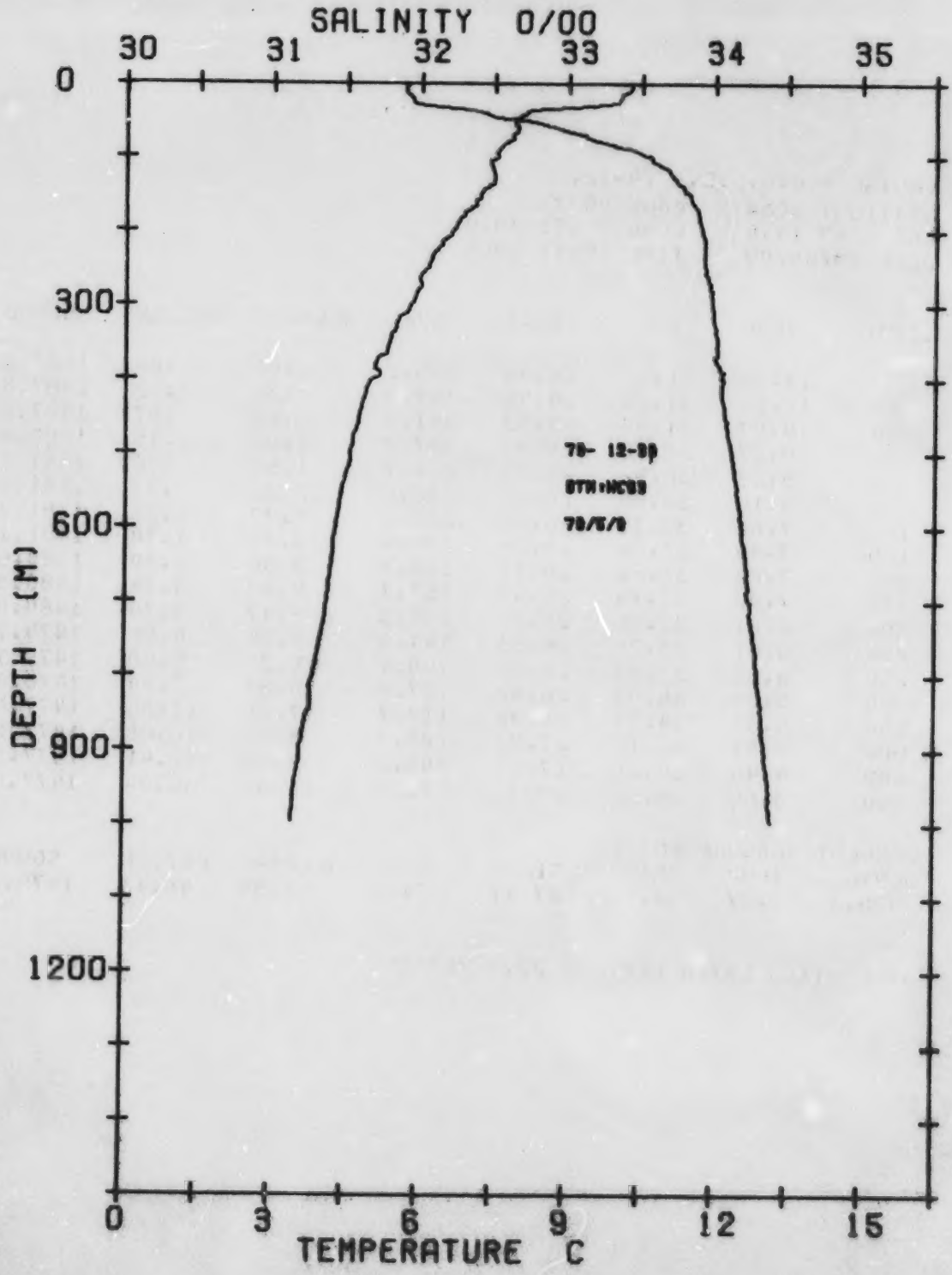
CRUISE : C.O.D.E. 79-12.
STATION: WC64 CONS #037
LAT N 49 14.0 LONG W 127 39.0
DATE 79/05/09 TIME (PST) 1958

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.28	31.87	24.49	345.2	.00	.00	1487.4
10	10.28	31.82	24.45	349.0	.35	.02	1487.5
20	10.07	31.88	24.53	341.8	.69	.07	1487.0
30	9.27	32.18	24.90	307.2	1.02	.15	1484.6
50	8.22	32.52	25.32	266.7	1.59	.38	1481.3
75	8.10	32.88	25.62	238.6	2.23	.77	1481.8
100	7.82	33.35	26.03	200.2	2.77	1.25	1481.7
125	7.49	33.56	26.24	180.4	3.25	1.78	1481.1
150	7.22	33.68	26.37	168.7	3.68	2.38	1480.6
175	7.00	33.79	26.49	157.7	4.09	3.04	1480.3
200	6.81	33.86	26.57	150.5	4.47	3.76	1480.0
225	6.61	33.90	26.63	144.8	4.84	4.55	1479.7
250	6.50	33.95	26.68	140.4	5.20	5.40	1479.7
300	5.85	34.01	26.82	127.9	5.87	7.24	1478.0
400	5.33	34.07	26.92	118.7	7.11	11.56	1477.6
500	4.87	34.13	27.03	109.3	8.25	16.68	1477.5
600	4.46	34.20	27.13	100.2	9.29	22.41	1477.5
800	3.60	34.35	27.33	81.6	11.08	34.84	1477.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.3	3.27	34.41	27.41	74.6	12.59	48.43	1479.3

WIND MIXED LAYER DEPTH = 23.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

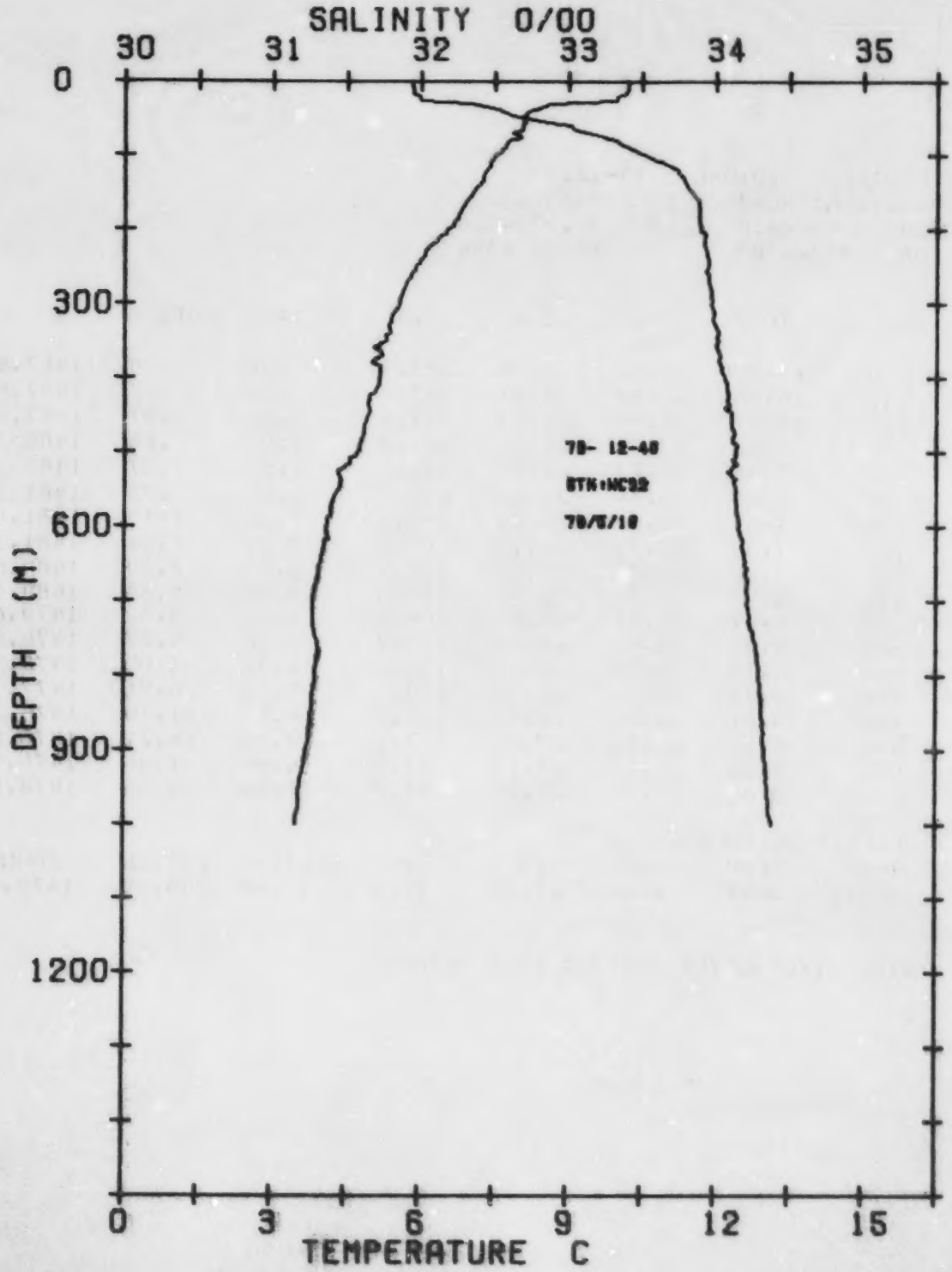
CRUISE : C.O.D.E. 79-12.
STATION: WC63 CONS #039
LAT N 49 21.2 LONG W 127 42.0
DATE 79/05/09 TIME (PST) 2306

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.30	31.90	24.51	343.7	.00	.00	1487.5
10	10.26	31.89	24.51	343.8	.34	.02	1487.5
20	10.07	31.94	24.58	337.4	.68	.07	1487.0
30	9.50	32.04	24.75	321.2	1.02	.15	1485.3
50	7.88	32.73	25.54	246.5	1.57	.37	1480.3
75	7.85	33.14	25.86	215.6	2.14	.73	1481.2
100	7.57	33.57	26.24	180.4	2.63	1.15	1481.0
125	7.49	33.71	26.36	169.4	3.07	1.64	1481.3
150	7.22	33.83	26.49	157.4	3.48	2.20	1480.8
175	6.90	33.86	26.57	149.8	3.86	2.83	1480.0
200	6.67	33.91	26.63	144.7	4.23	3.52	1479.6
225	6.34	33.93	26.68	139.7	4.58	4.27	1478.7
250	6.14	33.94	26.72	136.6	4.93	5.09	1478.3
300	5.78	33.98	26.80	129.4	5.59	6.91	1477.7
400	5.01	34.06	26.95	115.7	6.82	11.19	1476.3
500	4.57	34.12	27.05	107.1	7.93	16.21	1476.2
600	4.28	34.19	27.13	99.5	8.96	21.86	1476.7
800	3.85	34.30	27.27	87.7	10.84	34.95	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.1	3.41	34.46	27.39	77.0	12.44	49.29	1479.9

WIND MIXED LAYER DEPTH = 25.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

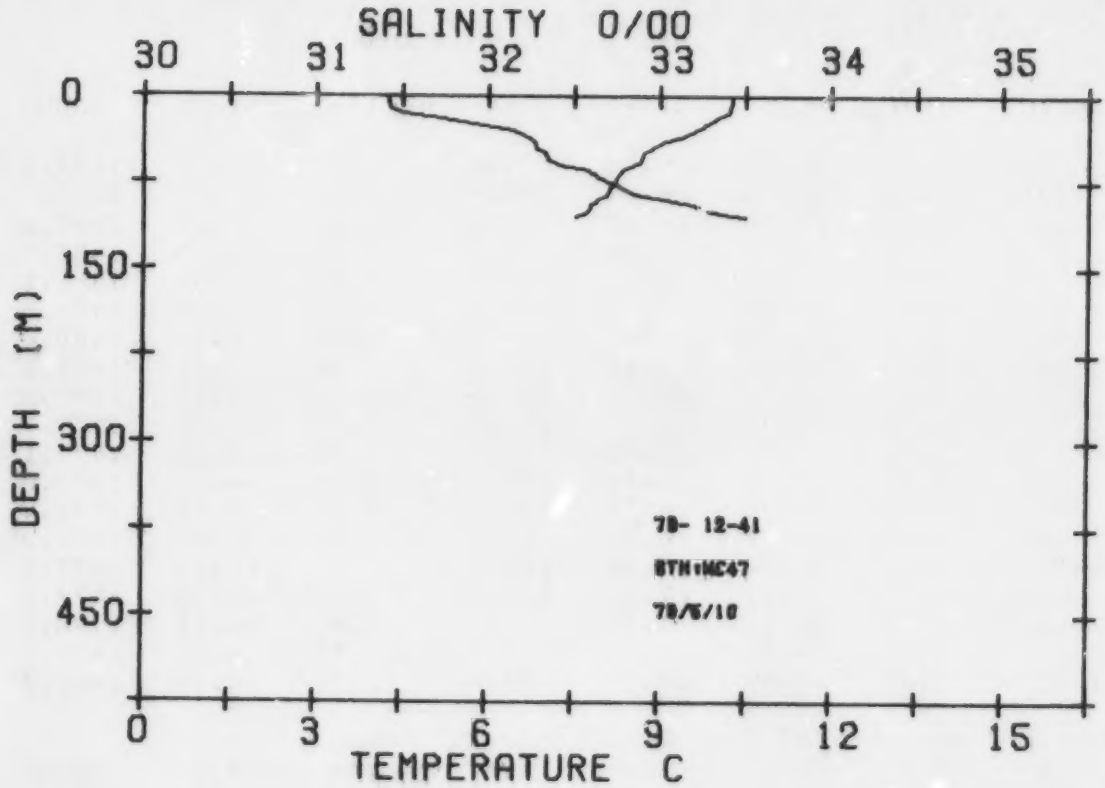
CRUISE : C.O.D.E. 79-12.
STATION: WC32 CONS H040
LAT N 49 29.4 LONG W 127 45.9
DATE 79/05/10 TIME (PST) 0042

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.22	31.94	24.55	339.4	.00	.00	1487.3
10	10.22	31.95	24.56	338.8	.34	.02	1487.5
20	10.03	31.99	24.63	332.6	.68	.07	1487.0
30	8.67	32.33	25.11	286.9	1.00	.15	1482.5
50	8.08	32.72	25.50	250.3	1.53	.36	1481.1
75	8.05	33.25	25.92	210.6	2.10	.71	1482.0
100	7.53	33.53	26.21	182.9	2.59	1.14	1480.8
125	7.30	33.76	26.42	163.2	3.02	1.62	1480.6
150	7.09	33.84	26.52	154.5	3.42	2.17	1480.3
175	6.82	33.89	26.59	147.9	3.79	2.78	1479.7
200	6.55	33.89	26.63	144.4	4.16	3.46	1479.1
225	6.15	33.93	26.72	136.6	4.51	4.21	1478.0
250	5.92	33.95	26.76	133.0	4.84	5.01	1477.4
300	5.57	33.97	26.82	127.3	5.49	6.79	1476.9
400	5.17	34.06	26.94	117.2	6.71	11.03	1477.0
500	4.75	34.14	27.04	107.8	7.82	16.05	1477.0
600	4.07	34.16	27.14	98.9	8.85	21.71	1475.8
800	3.86	34.30	27.27	87.8	10.71	34.65	1478.4
1000	3.48	34.39	27.37	78.8	12.38	49.68	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.48	34.39	27.37	78.8	12.38	49.69	1480.2

WIND MIXED LAYER DEPTH = 23.6 METRES

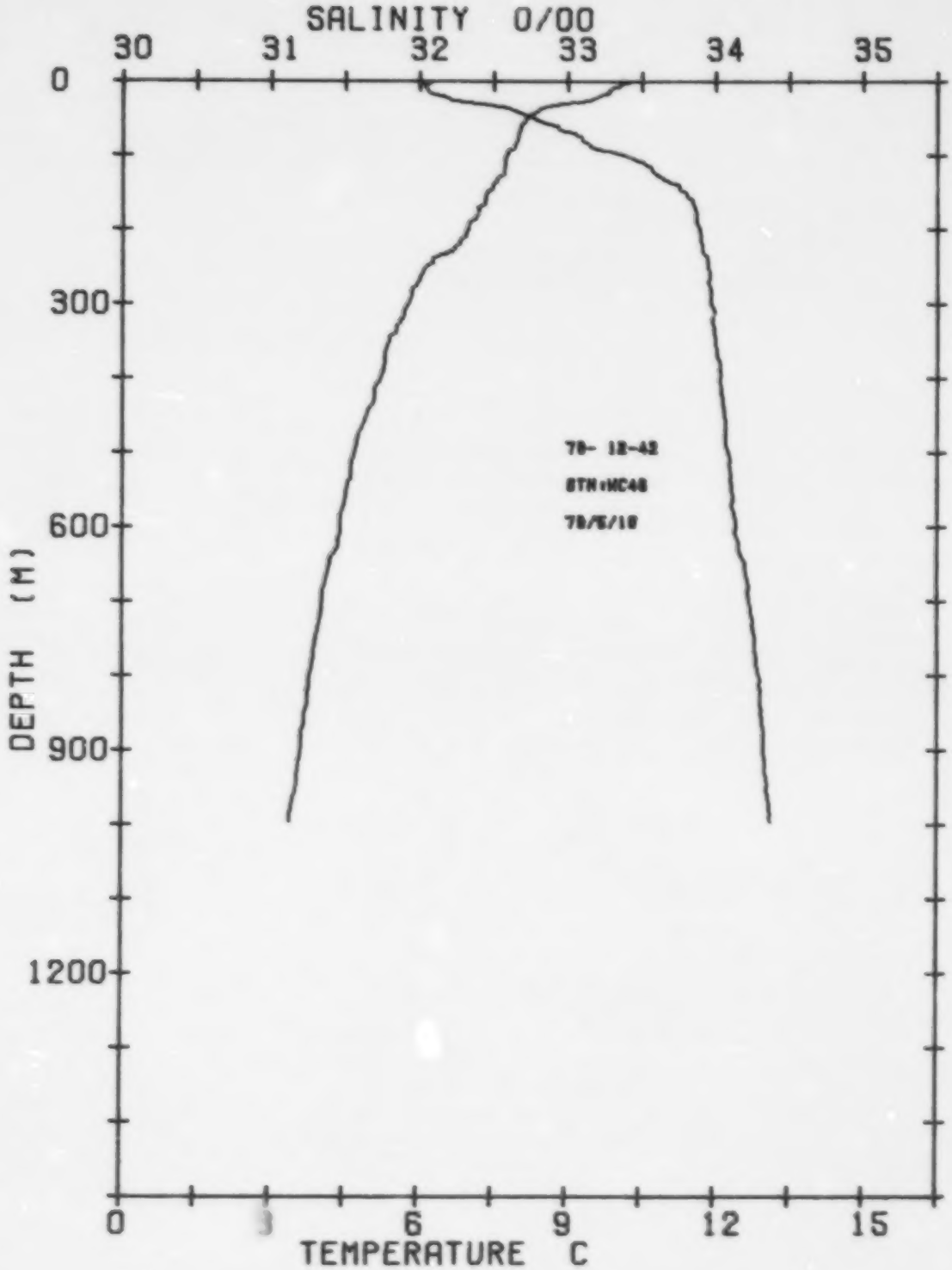

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 12-41
STN:MC47
79/5/10
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC47 CONS 4041
LAT N 50 06.0 LONG W 127 58.0
DATE 79/05/10 TIME (PST) 1717

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.26	31.41	24.14	378.9	.00	.00	1486.7
10	10.23	31.43	24.16	377.2	.38	.02	1486.8
20	9.96	31.73	24.44	350.8	.75	.07	1486.4
30	9.65	32.15	24.81	315.2	1.08	.16	1485.9
50	8.73	32.34	25.10	287.9	1.68	.40	1483.1
75	8.20	32.70	25.46	253.7	2.36	.82	1481.9
100	7.73	33.30	26.00	203.1	2.93	1.32	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
105.4	7.53	33.50	26.19	185.1	3.04	1.43	1480.9


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

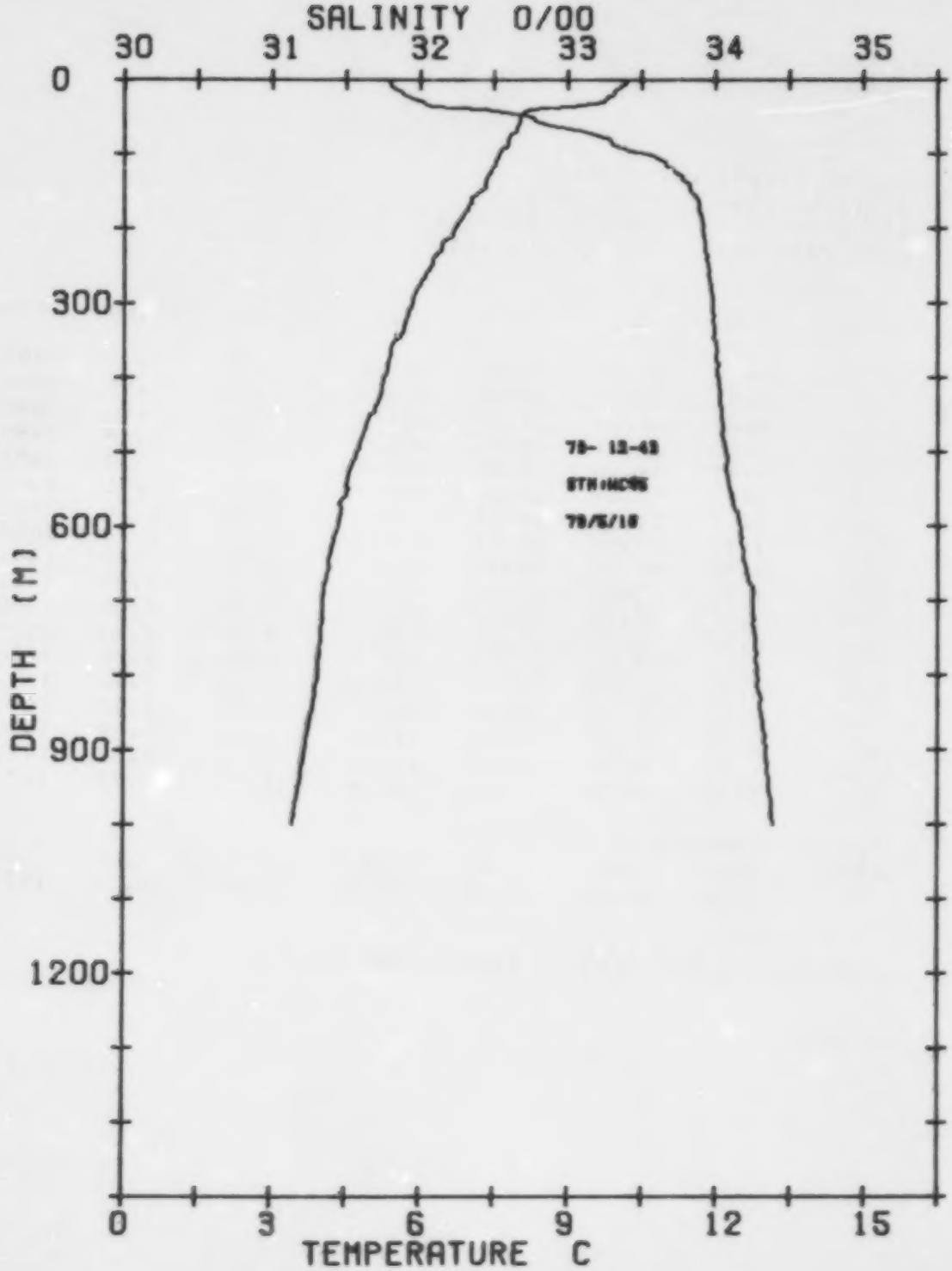
CRUISE : C.O.D.E. 79-12.
STATION: WC46 CONS #042
LAT N 50 01.2 LONG W 128 05.3
DATE 79/05/10 TIME (PST) 1831

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.18	32.06	24.67	328.1	.00	.00	1487.3
10	9.91	32.05	24.69	326.3	.33	.02	1486.4
20	9.67	32.16	24.82	314.5	.65	.06	1485.8
30	8.92	32.41	25.13	284.6	.95	.14	1483.5
50	8.21	32.78	25.53	247.4	1.48	.35	1481.6
75	8.00	33.09	25.80	221.5	2.06	.71	1481.7
100	7.77	33.39	26.07	196.9	2.59	1.18	1481.6
125	7.70	33.60	26.24	180.7	3.06	1.70	1482.0
150	7.38	33.86	26.45	161.5	3.49	2.29	1481.4
175	7.21	33.87	26.52	154.5	3.88	2.93	1481.2
200	7.00	33.89	26.57	150.5	4.26	3.64	1480.8
225	6.73	33.91	26.62	145.7	4.63	4.43	1480.2
250	6.16	33.95	26.73	135.9	4.98	5.26	1478.4
300	5.78	33.97	26.79	130.1	5.65	7.08	1477.7
400	5.22	34.03	26.91	120.1	6.89	11.42	1477.1
500	4.72	34.09	27.01	110.7	8.04	16.59	1476.8
600	4.40	34.14	27.08	104.6	9.11	22.50	1477.2
800	3.79	34.30	27.27	87.4	11.01	35.73	1478.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
996.1	3.38	34.38	27.38	78.2	12.65	50.36	1479.7

WIND MIXED LAYER DEPTH = 14.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

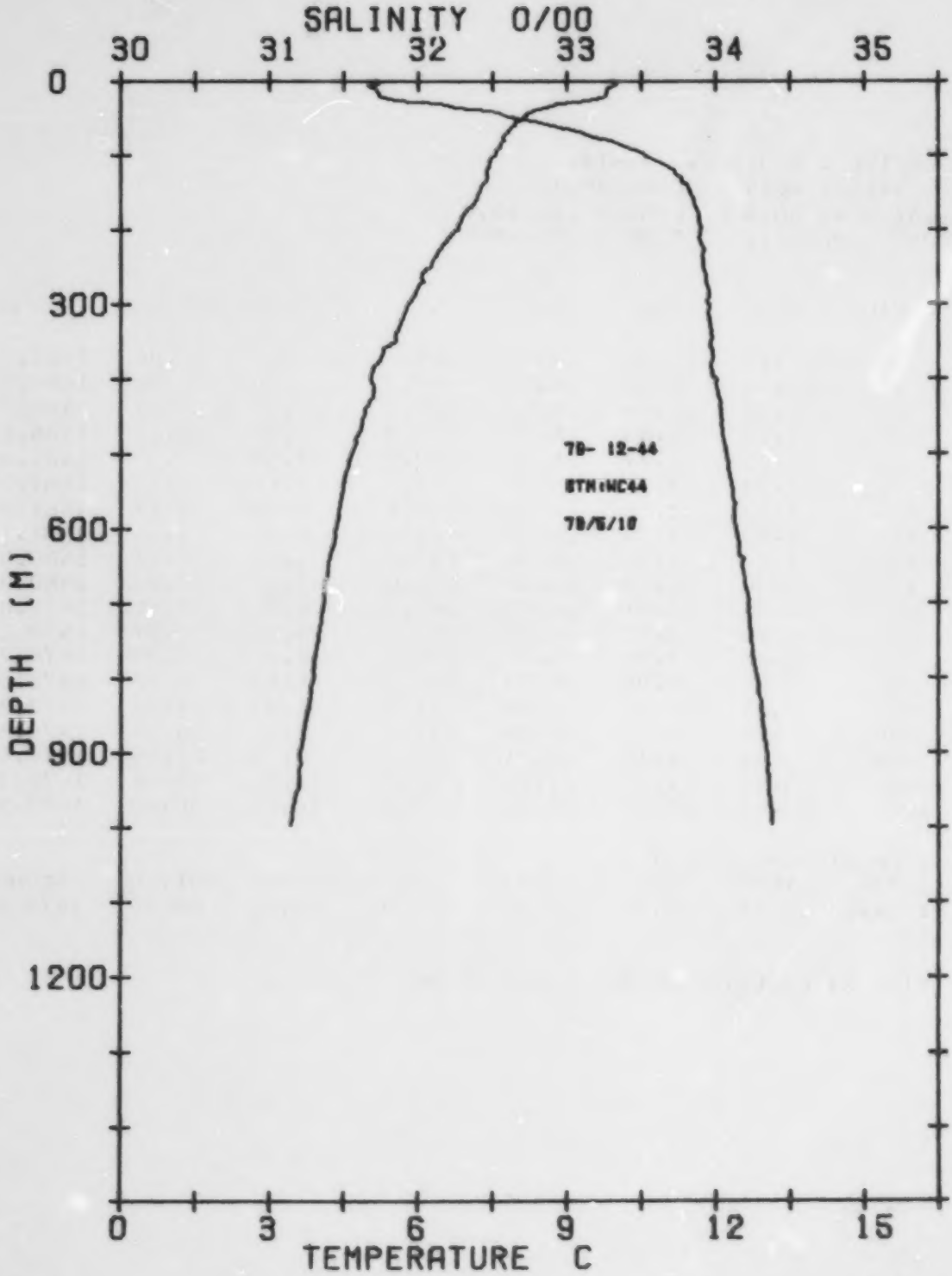
CRUISE : C.O.D.E. 79-12.
STATION: #C45 CONS #043
LAT N 49 56.8 LONG W 128 13.0
DATE 79/05/10 TIME (PST) 2016

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.19	31.80	24.45	349.2	.00	.00	1487.0
10	10.09	31.82	24.48	346.2	.35	.02	1486.8
20	9.92	31.89	24.56	338.5	.69	.07	1486.4
30	9.74	32.03	24.70	325.7	1.02	.15	1486.1
50	8.05	32.77	25.54	246.2	1.59	.37	1481.0
75	7.84	33.22	25.93	209.7	2.16	.73	1481.2
100	7.62	33.55	26.21	182.9	2.66	1.17	1481.2
125	7.43	33.74	26.39	166.5	3.10	1.66	1481.1
150	7.23	33.83	26.49	157.2	3.50	2.21	1480.9
175	6.96	33.89	26.58	149.4	3.88	2.83	1480.3
200	6.73	33.91	26.62	145.6	4.25	3.51	1479.8
225	6.46	33.93	26.68	140.6	4.60	4.27	1479.2
250	6.23	33.95	26.72	136.5	4.95	5.09	1478.7
300	5.84	33.98	26.79	130.0	5.61	6.92	1478.0
400	5.26	34.02	26.89	121.4	6.87	11.32	1477.3
500	4.72	34.07	26.99	112.2	8.05	16.58	1476.8
600	4.34	34.17	27.11	101.5	9.12	22.49	1477.0
800	3.93	34.28	27.25	90.2	11.00	35.64	1478.7
1000	3.41	34.39	27.38	77.9	12.68	50.68	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.41	34.39	27.38	77.9	12.68	50.69	1479.9

WIND MIXED LAYER DEPTH = 24.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-44
STN:WC44
79/5/18
0
3
6
9
12
15
TEMPERATURE C

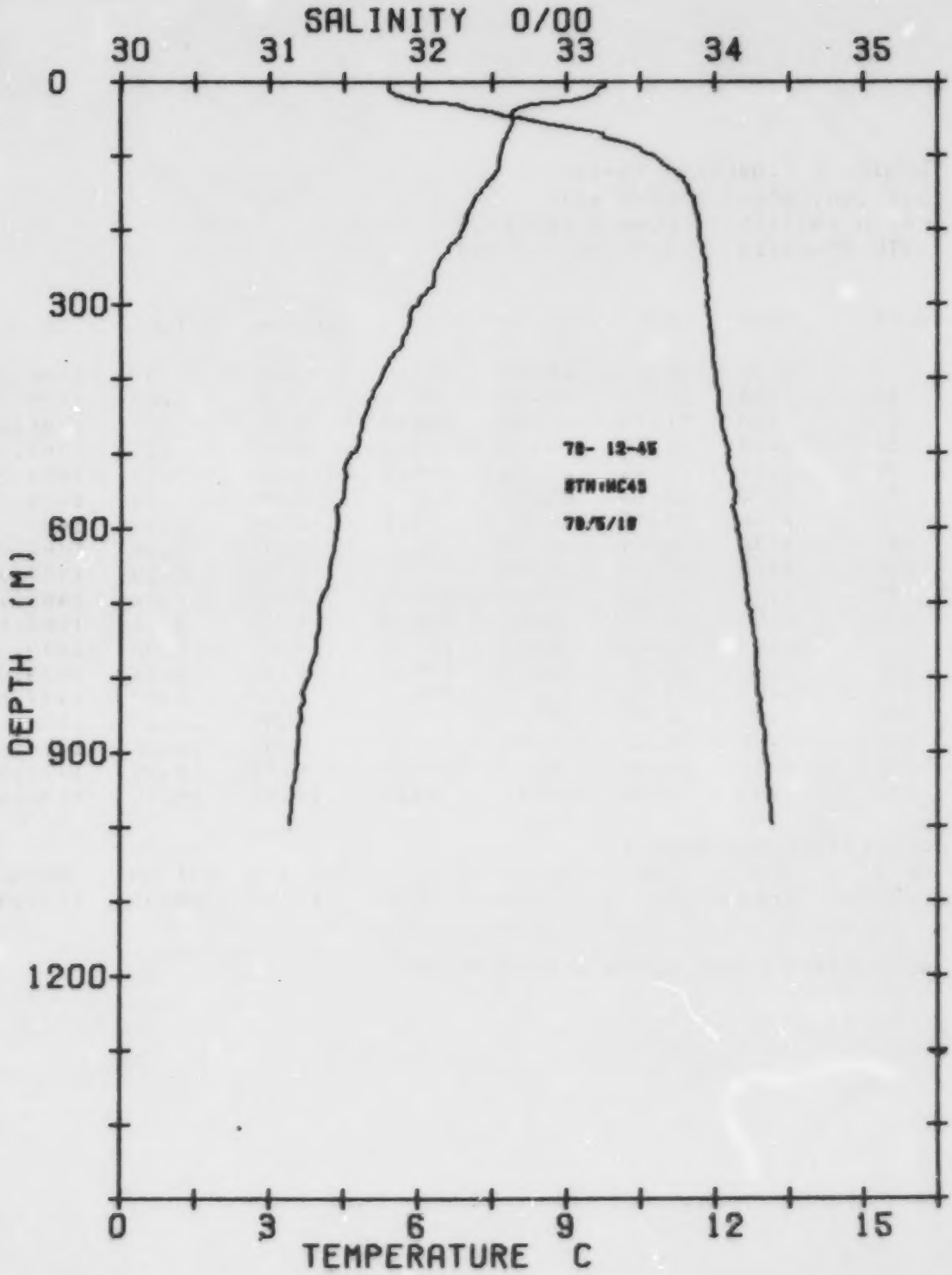
CRUISE : C.O.D.E. 79-12.
STATION: WC44 CONS 8044
LAT N 49 51.5 LONG W 128 20.9
DATE 79/05/10 TIME (PST) 2155

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.04	31.73	24.42	351.9	.00	.00	1486.3
10	9.83	31.72	24.45	349.4	.35	.02	1485.7
20	9.80	31.74	24.46	348.0	.70	.07	1485.8
30	8.87	32.14	24.93	303.8	1.03	.15	1483.0
50	8.14	32.66	25.45	255.1	1.58	.37	1481.2
75	7.72	33.19	25.92	210.3	2.16	.73	1480.7
100	7.56	33.53	26.21	183.1	2.64	1.15	1480.9
125	7.38	33.74	26.40	165.8	3.07	1.64	1480.9
150	7.25	33.83	26.49	157.3	3.48	2.19	1480.9
175	7.00	33.89	26.57	150.4	3.86	2.82	1480.4
200	6.80	33.90	26.61	146.9	4.23	3.51	1480.1
225	6.49	33.93	26.67	141.4	4.60	4.28	1479.3
250	6.28	33.92	26.69	139.5	4.95	5.11	1478.9
300	5.81	33.96	26.78	131.4	5.62	6.97	1477.8
400	5.05	34.01	26.91	119.9	6.89	11.39	1476.4
500	4.67	34.08	27.01	111.1	8.05	16.62	1476.6
600	4.34	34.14	27.09	103.7	9.12	22.49	1476.9
800	3.89	34.28	27.25	89.7	11.04	35.90	1478.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.1	3.43	34.38	27.38	78.4	12.67	50.51	1479.9

WIND MIXED LAYER DEPTH = 18.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 12-45
STN:HC45
78/5/18
0
3
6
9
12
15
TEMPERATURE C

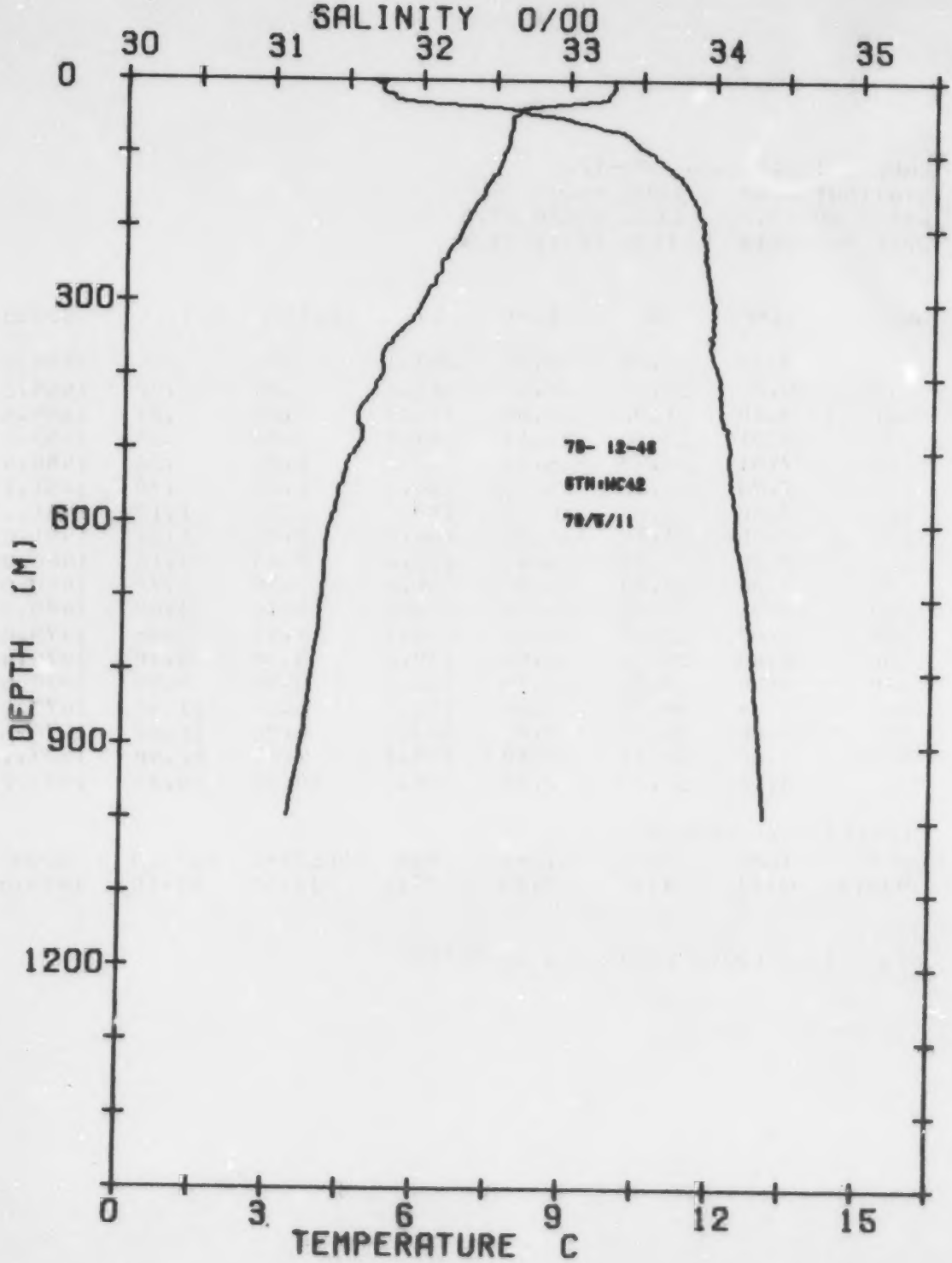
CRUISE : C.O.D.E. 79-12.
STATION: WC43 CONS #045
LAT N 49 47.0 LONG W 128 29.0
DATE 79/05/10 TIME (PST) 2324

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.79	31.80	24.51	343.1	.00	.00	1485.5
10	9.66	31.80	24.53	341.2	.34	.02	1485.2
20	9.48	31.90	24.64	331.3	.68	.07	1484.8
30	8.31	32.26	25.11	287.0	.99	.15	1481.0
50	7.91	32.73	25.53	247.2	1.53	.36	1480.4
75	7.79	33.26	25.96	206.3	2.08	.70	1481.1
100	7.66	33.60	26.25	179.9	2.56	1.12	1481.4
125	7.55	33.76	26.39	166.9	2.99	1.61	1481.6
150	7.25	33.83	26.49	157.6	3.40	2.16	1480.9
175	7.03	33.88	26.56	151.1	3.78	2.78	1480.5
200	6.91	33.90	26.59	148.2	4.16	3.49	1480.5
225	6.63	33.92	26.64	143.7	4.52	4.26	1479.8
250	6.40	33.94	26.69	139.8	4.88	5.10	1479.4
300	6.00	33.95	26.75	134.3	5.56	6.99	1478.6
400	5.24	34.01	26.89	121.9	6.84	11.46	1477.2
500	4.66	34.09	27.02	109.9	8.00	16.67	1476.6
600	4.38	34.15	27.10	103.1	9.06	22.48	1477.1
800	3.82	34.29	27.26	88.5	10.96	35.73	1478.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.3	3.41	34.39	27.39	77.5	12.57	50.15	1479.8

WIND MIXED LAYER DEPTH = 19.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-48
STN:HC42
79/8/11
0
3
6
9
12
15
TEMPERATURE C

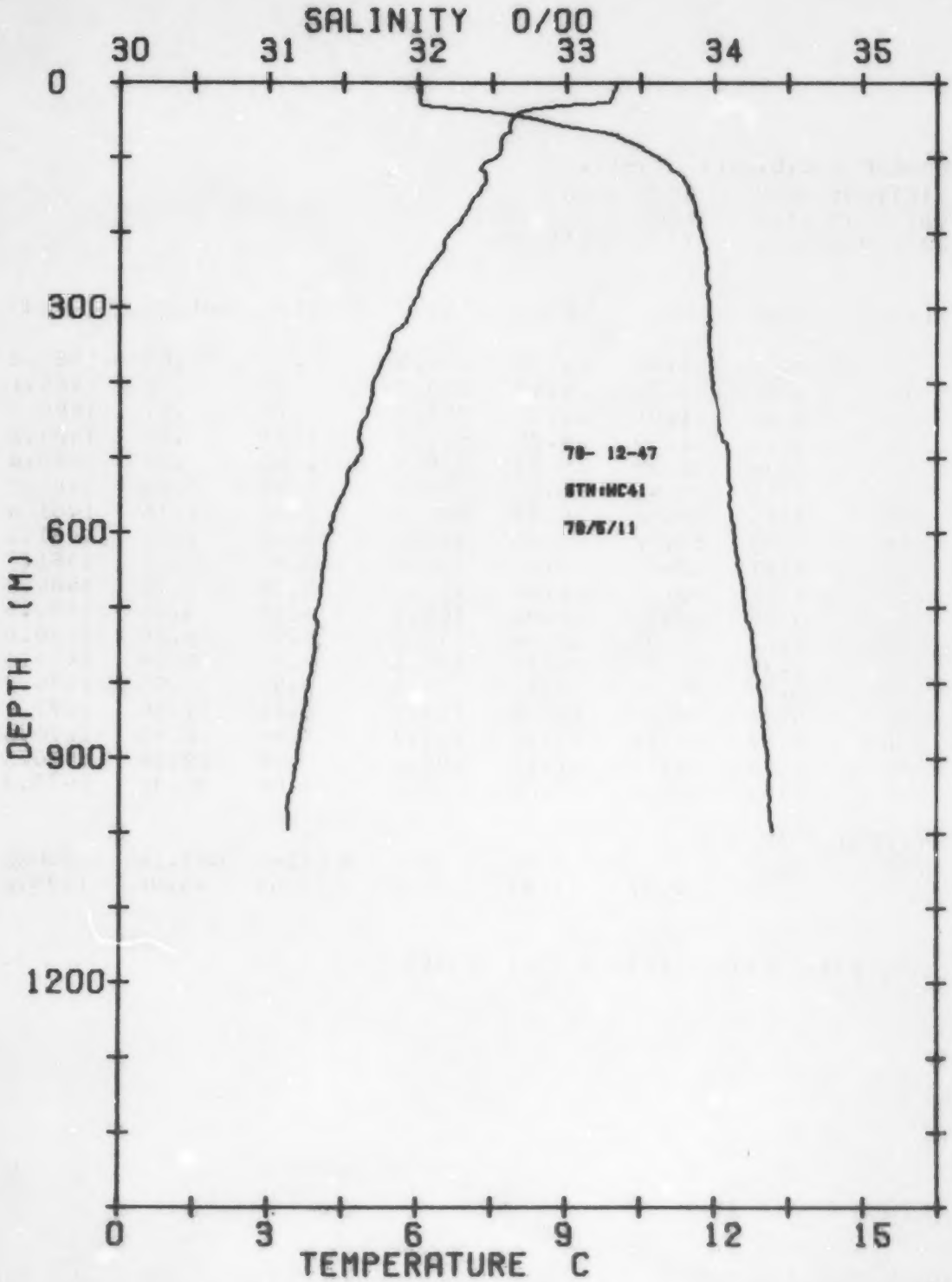
CRUISE : C.O.D.E. 79-12.
STATION: WC42 CONS #046
LAT N 49 41.8 LONG W 128 36.3
DATE 79/05/11 TIME (PST) 0056

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.92	31.64	24.37	356.3	.00	.00	1485.8
10	9.92	31.72	24.43	350.7	.35	.02	1486.1
20	9.80	31.81	24.52	342.5	.70	.07	1485.9
30	9.23	31.99	24.75	320.7	1.03	.15	1484.2
50	7.84	32.95	25.71	229.5	1.56	.36	1480.4
75	7.78	33.41	26.08	194.7	2.09	.69	1481.2
100	7.66	33.58	26.23	181.3	2.56	1.10	1481.4
125	7.53	33.72	26.36	169.0	3.00	1.60	1481.5
150	7.27	33.82	26.48	158.7	3.41	2.15	1481.0
175	7.04	33.88	26.56	151.2	3.79	2.78	1480.6
200	6.85	33.92	26.61	146.1	4.16	3.48	1480.3
225	6.61	33.94	26.66	142.0	4.53	4.25	1479.8
250	6.39	33.95	26.70	138.8	4.88	5.09	1479.3
300	6.03	34.00	26.78	131.3	5.56	6.95	1478.7
400	5.23	34.04	26.91	119.7	6.82	11.34	1477.2
500	4.67	34.12	27.04	107.7	7.95	16.45	1476.6
600	4.19	34.16	27.13	100.2	9.00	22.18	1476.3
800	3.85	34.29	27.26	88.5	10.88	35.32	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.2	3.40	34.37	27.37	78.7	12.52	49.98	1479.8

WIND MIXED LAYER DEPTH = 26.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-47
STN:HC41
79/5/11
0
3
6
9
12
15
TEMPERATURE C

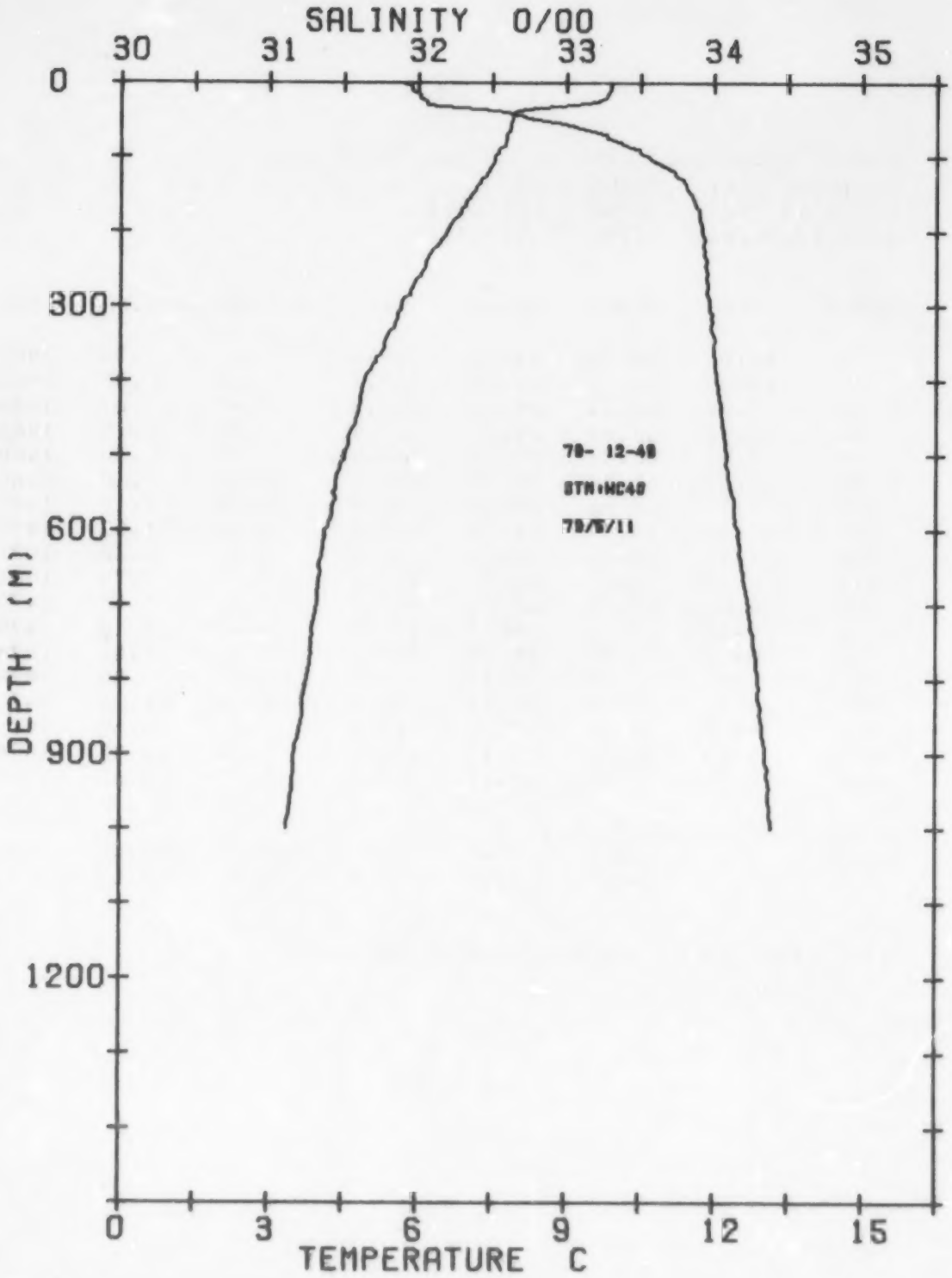
CRUISE : C.O.D.E. 79-12.
STATION: WC41 CONS #047
LAT N 49 36.5 LONG W 128 44.1
DATE 79/05/11 TIME (PST) 0222

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.01	32.01	24.64	330.6	.00	.00	1486.6
10	10.00	32.02	24.65	330.1	.33	.02	1486.7
20	9.92	32.01	24.66	329.8	.66	.07	1486.6
30	8.93	32.03	24.83	313.4	.99	.15	1483.1
50	7.90	32.84	25.62	238.6	1.52	.36	1480.5
75	7.67	33.38	26.07	195.8	2.06	.69	1480.7
100	7.59	33.62	26.28	176.9	2.52	1.10	1481.2
125	7.36	33.76	26.43	162.4	2.94	1.57	1480.9
150	7.19	33.84	26.50	155.9	3.34	2.12	1480.7
175	6.96	33.87	26.56	150.8	3.72	2.74	1480.3
200	6.66	33.91	26.63	144.7	4.09	3.43	1479.5
225	6.50	33.93	26.67	141.2	4.45	4.19	1479.3
250	6.20	33.94	26.71	137.0	4.80	5.01	1478.6
300	5.86	33.96	26.77	132.2	5.47	6.86	1478.0
400	5.11	33.99	26.89	121.7	6.74	11.31	1476.6
500	4.80	34.10	27.01	110.8	7.91	16.55	1477.1
600	4.25	34.14	27.10	102.3	8.98	22.41	1476.6
800	3.81	34.30	27.27	87.3	10.87	35.65	1478.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.9	3.38	34.39	27.39	76.9	12.47	49.93	1479.7

WIND MIXED LAYER DEPTH = 24.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 12-48
STN:MC48
79/5/11
0
3
6
9
12
15
TEMPERATURE C

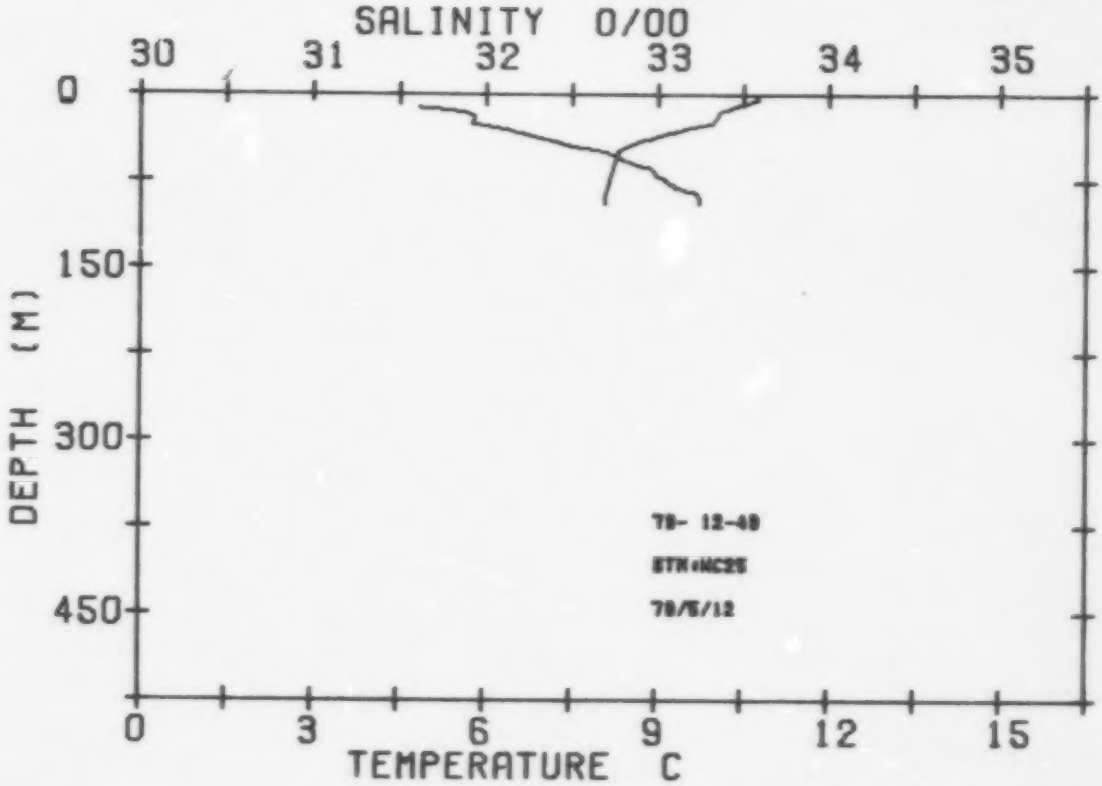
CRUISE : C.O.D.E. 79-12.
STATION: WC40 CONS #048
LAT N 49 31.5 LONG W 128 52.0
DATE 79/05/11 TIME (PST) 0353

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.90	31.95	24.61	333.7	.00	.00	1486.1
10	9.91	31.96	24.62	332.7	.33	.02	1486.3
20	9.82	32.01	24.68	327.9	.66	.07	1486.2
30	9.21	32.06	24.81	315.0	.98	.15	1484.2
50	7.92	32.80	25.58	241.9	1.51	.36	1480.6
75	7.79	33.26	25.98	205.0	2.06	.69	1481.1
100	7.57	33.56	26.23	181.5	2.54	1.11	1481.0
125	7.38	33.75	26.41	164.7	2.97	1.60	1480.9
150	7.10	33.85	26.52	154.1	3.37	2.14	1480.4
175	6.87	33.90	26.59	147.8	3.75	2.76	1479.9
200	6.60	33.92	26.65	143.1	4.11	3.43	1479.3
225	6.32	33.94	26.70	138.0	4.46	4.16	1478.6
250	6.15	33.95	26.73	136.0	4.80	4.99	1478.4
300	5.67	33.97	26.80	129.2	5.46	6.81	1477.3
400	4.94	34.02	26.93	117.3	6.70	11.12	1476.0
500	4.54	34.09	27.03	108.9	7.83	16.20	1476.1
600	4.14	34.17	27.13	99.3	8.87	21.94	1476.1
800	3.78	34.30	27.28	86.9	10.74	34.96	1478.1
1000	3.37	34.39	27.39	77.1	12.38	49.66	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.2	3.37	34.39	27.39	77.1	12.38	49.67	1479.7

WIND MIXED LAYER DEPTH = 24.5 METRES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30
31
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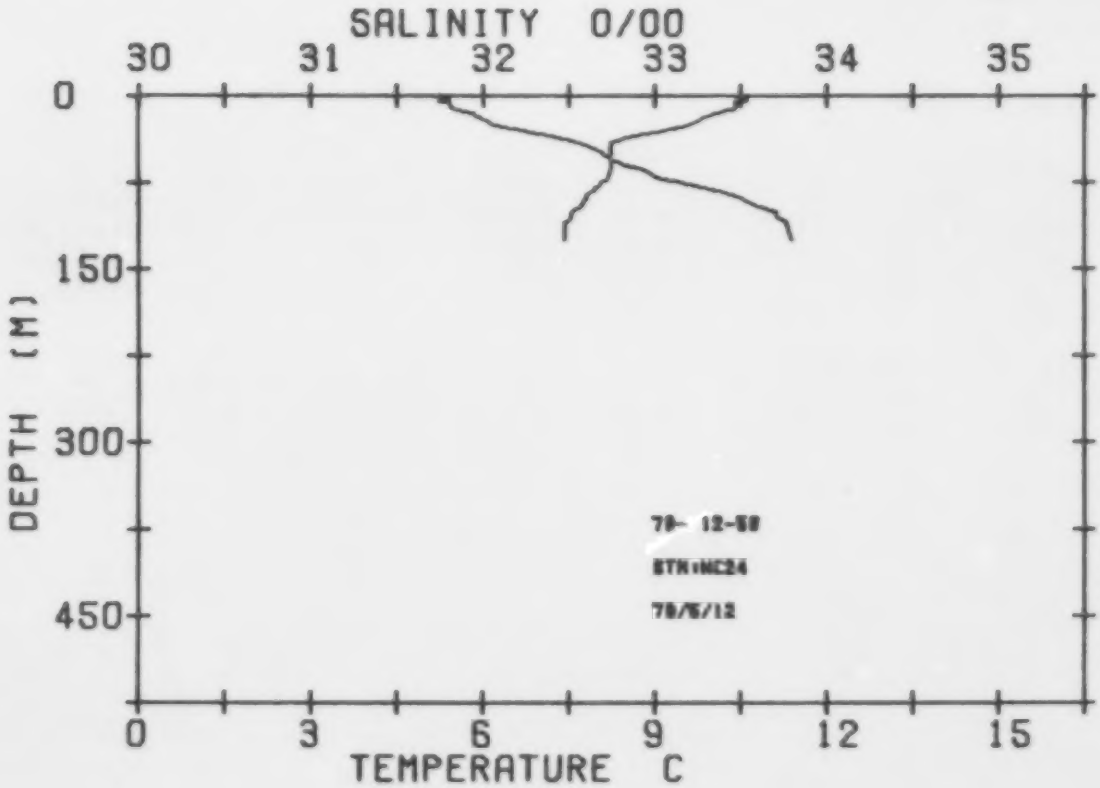
33
34
35
0
150
300
450
DEPTH (M)
78- 12-48
STN:NC25
78/5/12
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: WC25 CONS #049
LAT N 49 21.2 LONG W 126 44.4
DATE 79/05/12 TIME (PST) 0134

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.73	25.39	19.39	833.5	.00	.00	1480.9
10	10.39	31.41	24.11	381.7	.77	.03	1487.4
20	10.04	31.93	24.57	337.8	1.12	.08	1486.9
30	9.50	32.10	24.80	316.4	1.45	.17	1485.3
50	8.30	32.69	25.44	255.6	2.02	.39	1481.9
75	8.17	33.04	25.74	227.6	2.63	.77	1482.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
95.2	8.07	33.24	25.91	211.9	3.06	1.14	1482.5

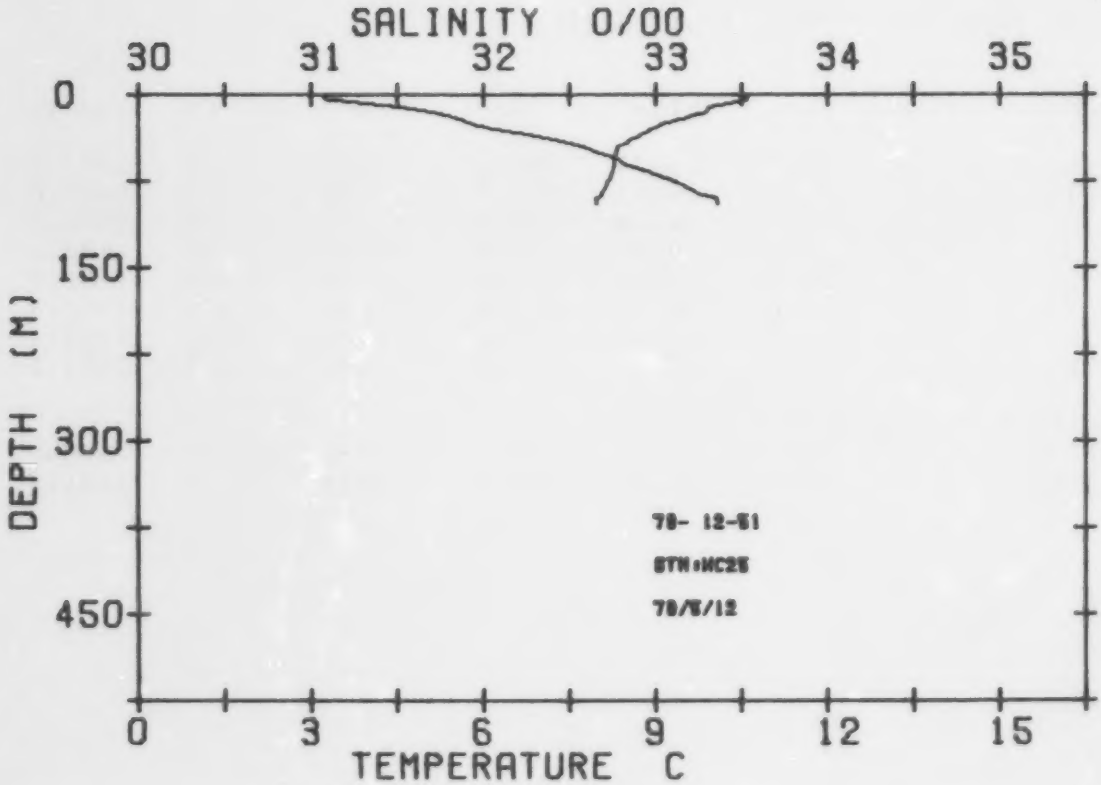

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: #C24 CONS 4050
LAT N 49 15.8 LONG W 126 53.3
DATE 79/05/12 TIME (PST) 0229

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.62	31.72	24.31	362.1	.00	.00	1488.5
10	10.41	31.82	24.43	351.1	.35	.02	1488.0
20	9.83	31.99	24.66	329.8	.69	.07	1486.2
30	9.15	32.24	24.96	301.3	1.01	.15	1484.2
50	8.25	32.70	25.45	254.2	1.55	.36	1481.7
75	8.07	33.16	25.85	217.4	2.15	.73	1482.0
100	7.56	33.71	26.35	170.2	2.63	1.15	1481.2
125	7.40	33.80	26.44	161.4	3.04	1.61	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.2	7.40	33.80	26.44	161.3	3.04	1.62	1481.1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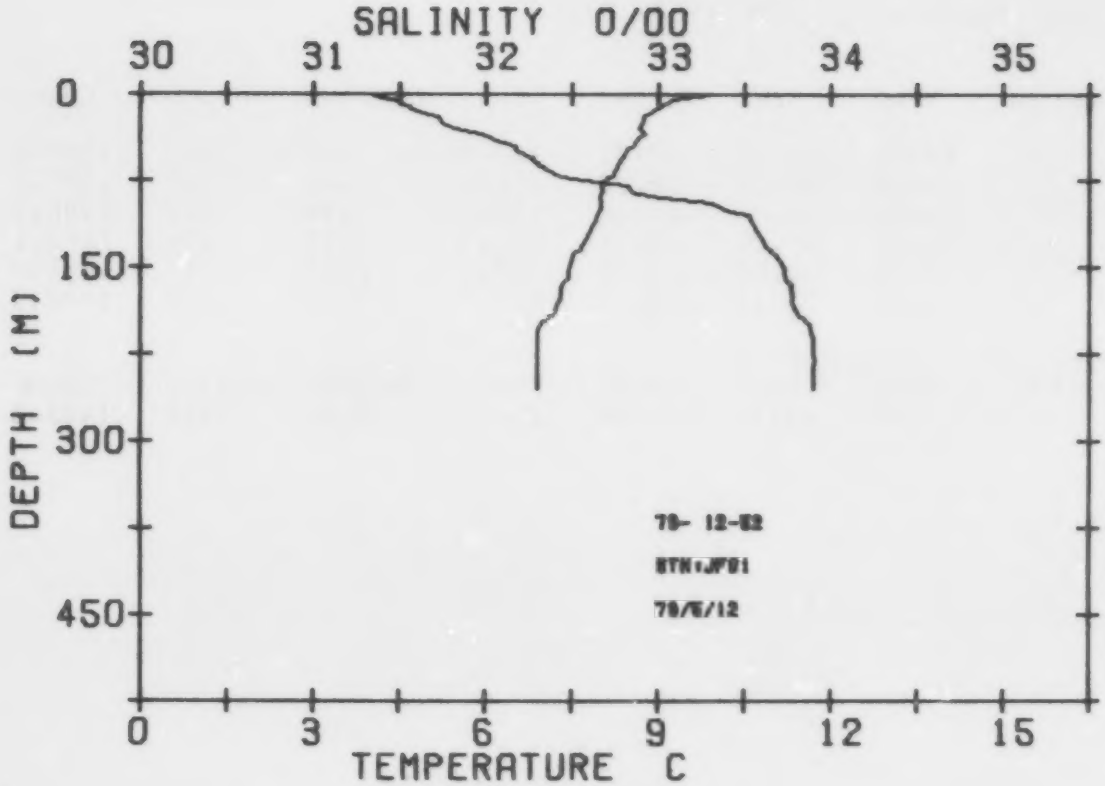
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 12-61
STN:HC25
78/5/12
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.U.E. 79-12.
STATION: WC25 CONS 4051
LAT N 49 21.2 LONG W 126 44.4
DATE 79/05/12 TIME (PST) 0330

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.61	31.07	23.81	410.0	.00	.00	1487.6
10	9.93	31.52	24.27	366.2	.40	.02	1485.8
20	9.56	31.84	24.58	336.8	.75	.07	1485.0
30	8.92	32.07	24.86	310.3	1.07	.15	1483.1
50	8.31	32.66	25.42	257.8	1.63	.37	1481.9
75	8.15	33.12	25.80	221.5	2.23	.75	1482.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
95.0	7.98	33.36	26.02	201.6	2.65	1.10	1482.3


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 12-02
STN:JF01
79/6/12
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-12.
STATION: JF01 CONS #052
LAT N 48 29.5 LONG W 124 46.4
DATE 79/05/12 TIME (PST) 1246

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.88	31.38	24.18	375.1	.00	.00	1485.3
10	9.06	31.56	24.44	349.7	.36	.02	1482.7
20	8.76	31.73	24.62	332.9	.70	.07	1481.9
30	8.66	31.83	24.72	324.0	1.03	.15	1481.8
50	8.46	32.18	25.02	295.9	1.65	.40	1481.8
75	8.11	32.56	25.37	262.5	2.35	.83	1481.4
100	8.02	33.39	26.03	200.5	2.93	1.33	1482.5
125	7.78	33.60	26.23	181.7	3.39	1.86	1482.3
150	7.46	33.73	26.38	167.9	3.83	2.46	1481.6
175	7.31	33.78	26.44	162.3	4.24	3.13	1481.5
200	6.96	33.88	26.56	151.0	4.64	3.87	1480.7
225	6.90	33.90	26.59	148.9	5.01	4.66	1480.9
250	6.90	33.90	26.59	149.1	5.38	5.55	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
255.2	6.90	33.90	26.59	149.0	5.46	5.74	1481.4

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 7 DATE 6/ 5/79 GMT 9.9
POSITION 49-21.2 N, 126-44.4 W STATION 36
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.69	31.746	6.930
10	9.67	31.747	6.930
19	9.05	31.971	6.280
29	8.39	32.184	5.760
48	8.15	32.382	4.820
72	8.19	32.628	5.160
97	8.13	32.933	4.770

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 10 DATE 6/ 5/79 GMT 12.4
POSITION 49-35.9 N, 127- 1.2 W STATION 38
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.82	32.143	6.900
10	9.80	32.144	6.740
20	9.74	32.143	6.730
30	8.67	32.620	6.630
50	8.35	32.734	6.400
75	8.10	33.013	4.900
100	7.90	33.310	4.030

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 13 DATE 6/ 5/79 GMT 14.4
POSITION 49-46.0 N, 127-20.0 W STATION 40
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.085	6.790
10		32.086	6.690
20		32.089	6.660
30		32.101	6.480
50	8.27	32.445	5.200
75	8.22	32.572	5.030

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 16 DATE 6/ 5/79 GMT 18.9
POSITION 49-35.0 N, 127-37.6 W STATION 42
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.71	32.126	7.200
10	9.70	32.126	6.930
20	9.61	32.128	6.990
30	9.14	32.246	7.020
49	7.88	32.671	5.930
74	7.85	33.004	5.290
98	7.78	33.349	4.480
121	7.71	33.606	3.720
145	7.65	33.780	3.090
169	7.39	33.855	2.880
192	7.12	33.906	2.650
239	6.38	33.945	2.640
287	5.83	33.973	2.120
384	5.29	34.060	1.230

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 19 DATE 7/ 5/79 GMT 22.3
POSITION 49-23.2 N, 127-55.0 W STATION 44
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.67	31.736	6.170
10	9.67	31.735	6.640
20	9.36	31.740	6.560
30	8.42	32.374	5.950
50	7.91	32.662	5.950
75	7.88	33.205	4.460
100	7.76	33.555	3.790
125	7.67	33.766	3.260
150	7.12	33.846	3.200
175	6.92	33.912	2.920
199	6.76	33.936	2.880
249	5.97	33.924	2.750
300	5.50	33.956	2.080
402	5.30	34.078	1.080

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 23 DATE 7/ 5/79 GMT 19.2
POSITION 49-10.2 N, 127- 2.0 W STATION 34
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	10.00	32.109	6.890
10	9.98	32.121	6.750
20	9.45	32.220	6.890
30	9.07	32.400	6.250
50	8.49	32.720	6.140
74	8.14	33.234	4.540
97	7.93	33.630	3.550
120	7.82	33.765	3.210
144	7.65	33.843	2.920
168	7.41	33.908	2.780
192	7.13	33.946	2.630
244	6.70	33.965	2.450
301	6.22	33.993	2.010

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 26 DATE 7/ 5/79 GMT 23.6
POSITION 48-59.0 N, 127-20.0 W STATION 32
HYDROGRAPHIC CAST DATA

OBSERVED DATA

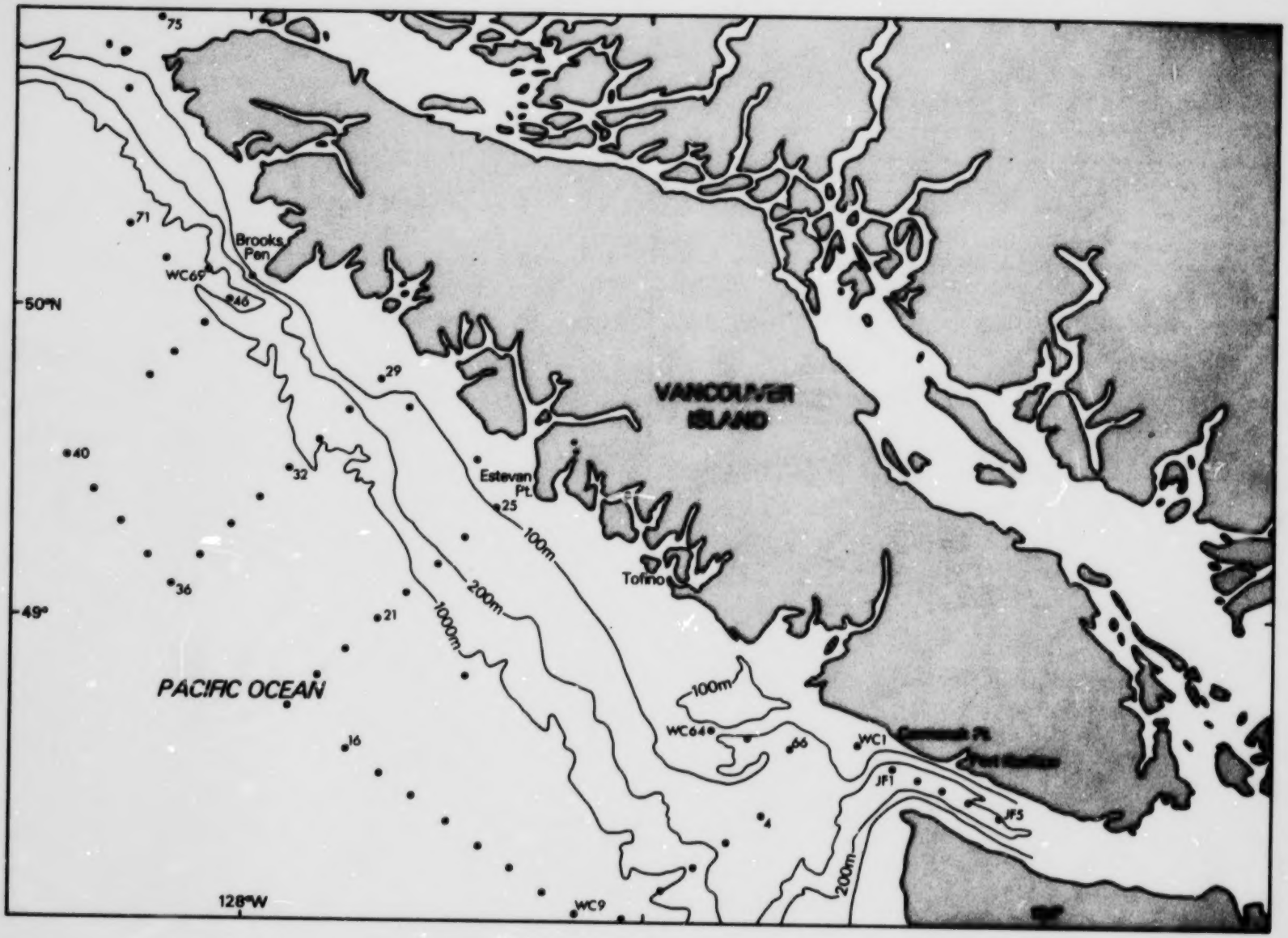
DEPTH	TEMP	SAL	OXY
0	10.04	32.181	6.750
10	10.02	32.181	6.750
20	9.93		
30	8.92	32.389	7.060
50	8.60	32.750	6.140
75	6.70	33.202	4.690
100	7.98	33.618	3.330
125	7.84	33.789	2.920
150	7.56	33.864	2.780
175	7.43	33.912	2.590
200	7.23	33.922	2.880
250	6.67	33.970	2.440
300	5.99	33.949	2.520
400	5.28	34.031	1.360
500	4.67	34.069	.910
600	4.30	34.134	.660
800	3.80	34.277	.440
1000	3.46	34.387	.440
1200	3.05	34.428	.500
1500	3.05	34.518	.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 12- 38 DATE 9/ 5/79 GMT 21.1
POSITION 49-14.0 N, 127-39.0 W STATION 64
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	10.23	31.931	6.760
10	10.07	31.933	6.700
20	9.98	31.936	6.700
30	9.17	31.930	6.710
49	8.35	32.572	6.210
74	8.17	32.907	5.300
98	7.81	33.365	4.210
123	7.51	33.608	3.780
148	7.18	33.725	3.610
172	7.02	33.823	3.260
203	6.76	33.874	3.140
253	6.49	33.956	2.570
303	5.73	33.991	1.880
403	5.29	34.043	1.250
503	4.80	34.143	.750
603	4.35	34.226	.510
804	3.64	34.336	.440
1006	3.25	34.405	.480
1210	2.97		

CRUISE 79-14
AUGUST 1979


75
71
Brooks Pen
WC69
46
50°N
29
VANCOUVER ISLAND
40
32
Estevan Pt.
25
100m
Tofino
36
200m
49°
21
1000m
PACIFIC OCEAN
100m
WC64
66
WC1
JF1
JF5
4
200m
16
128°W
WC9

COASTAL OCEANIC DYNAMICS EXPERIMENT

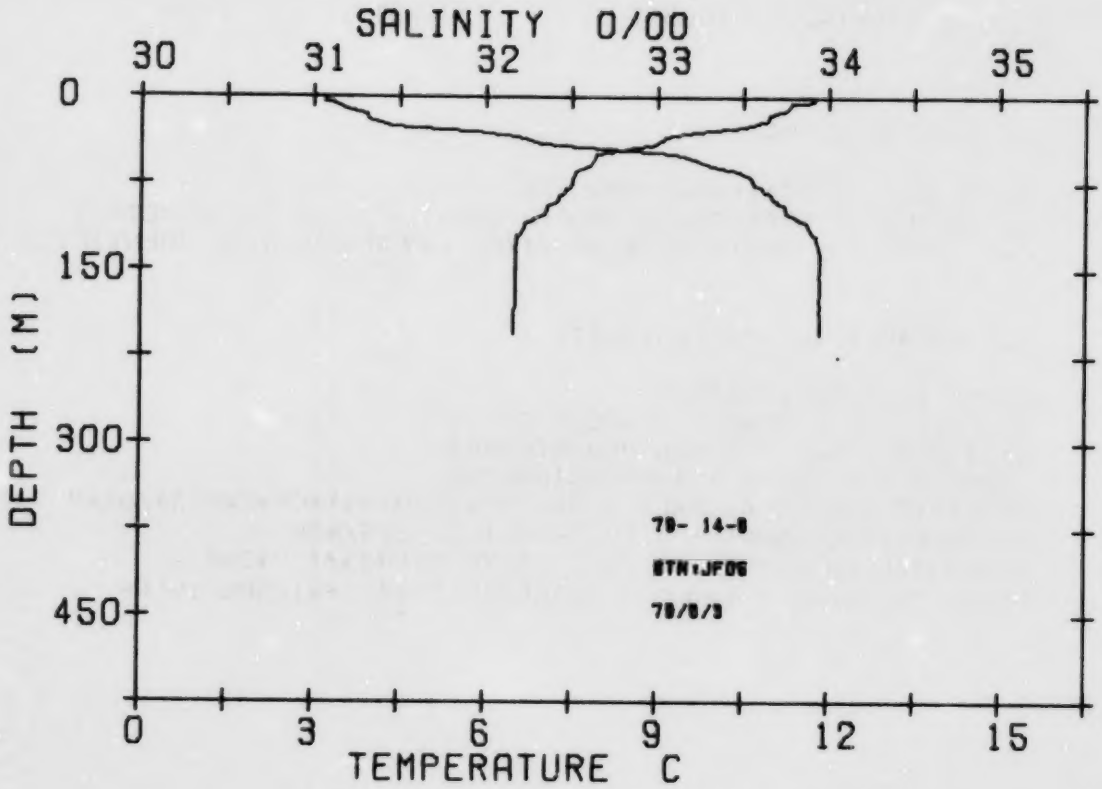
CRUISE 79-14. AUGUST 3 - AUGUST 11 , 1979

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 57
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 80.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 38

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-

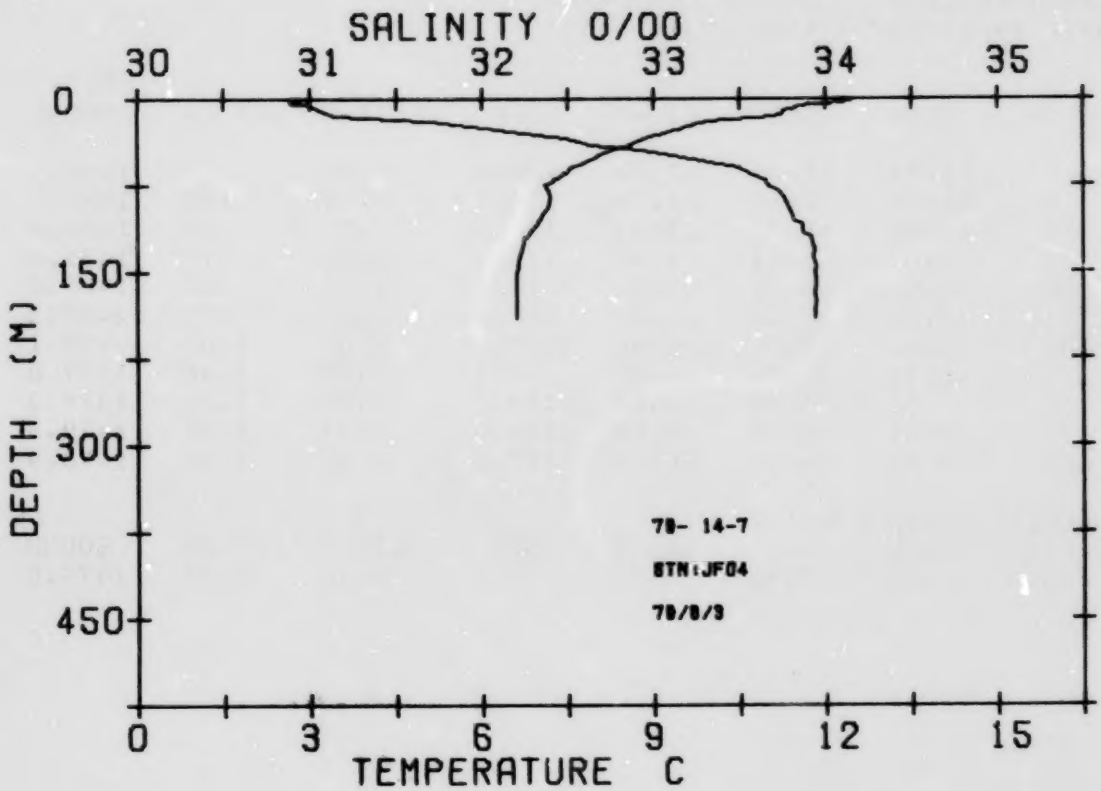

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-8
STN:JF06
79/6/3
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: JF05 CONS #006
LAT N 48 21.0 LONG W 124 14.2
DATE 79/08/03 TIME (PST) 1835

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.74	31.08	23.62	428.4	.00	.00	1491.6
10	11.24	31.18	23.79	412.2	.42	.02	1490.2
20	10.93	31.32	23.95	396.9	.82	.08	1489.4
30	9.67	31.91	24.62	333.4	1.20	.17	1485.7
50	7.93	33.11	25.82	219.3	1.76	.40	1481.0
75	7.49	33.56	26.24	180.0	2.25	.70	1480.3
100	7.02	33.75	26.46	159.6	2.67	1.07	1479.1
125	6.53	33.93	26.67	140.1	3.04	1.48	1477.8
150	6.51	33.95	26.68	139.0	3.39	1.96	1478.2
175	6.51	33.94	26.68	139.9	3.74	2.52	1478.6
200	6.49	33.95	26.68	139.6	4.08	3.18	1478.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
205.0	6.49	33.95	26.68	139.7	4.15	3.32	1479.0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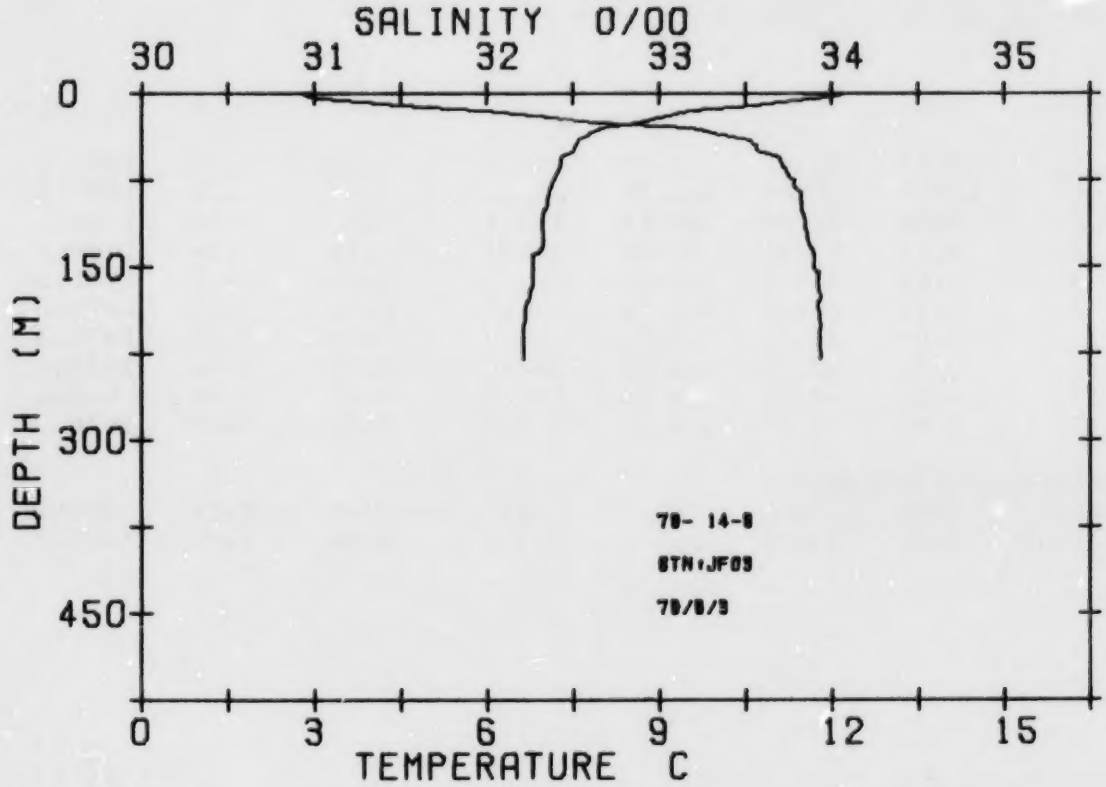
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-7
STN:JF04
78/8/3
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: JF04 CONS #007
LAT N 48 24.5 LONG W 124 23.0
DATE 79/08/03 TIME (PST) 1939

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.47	30.95	23.38	450.7	.00	.00	1494.0
10	11.24	31.07	23.70	420.6	.44	.02	1490.0
20	9.90	31.69	24.41	353.1	.84	.08	1486.1
30	9.17	32.23	24.95	302.1	1.16	.16	1484.2
50	8.01	33.12	25.82	219.4	1.68	.37	1481.3
75	7.12	33.67	26.38	166.7	2.15	.65	1479.0
100	7.04	33.81	26.50	155.4	2.55	1.00	1479.3
125	6.72	33.93	26.64	142.9	2.92	1.42	1478.6
150	6.61	33.94	26.66	140.9	3.27	1.91	1478.6
175	6.60	33.95	26.67	140.7	3.62	2.48	1478.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
190.0	6.59	33.94	26.66	141.1	3.84	2.87	1479.1

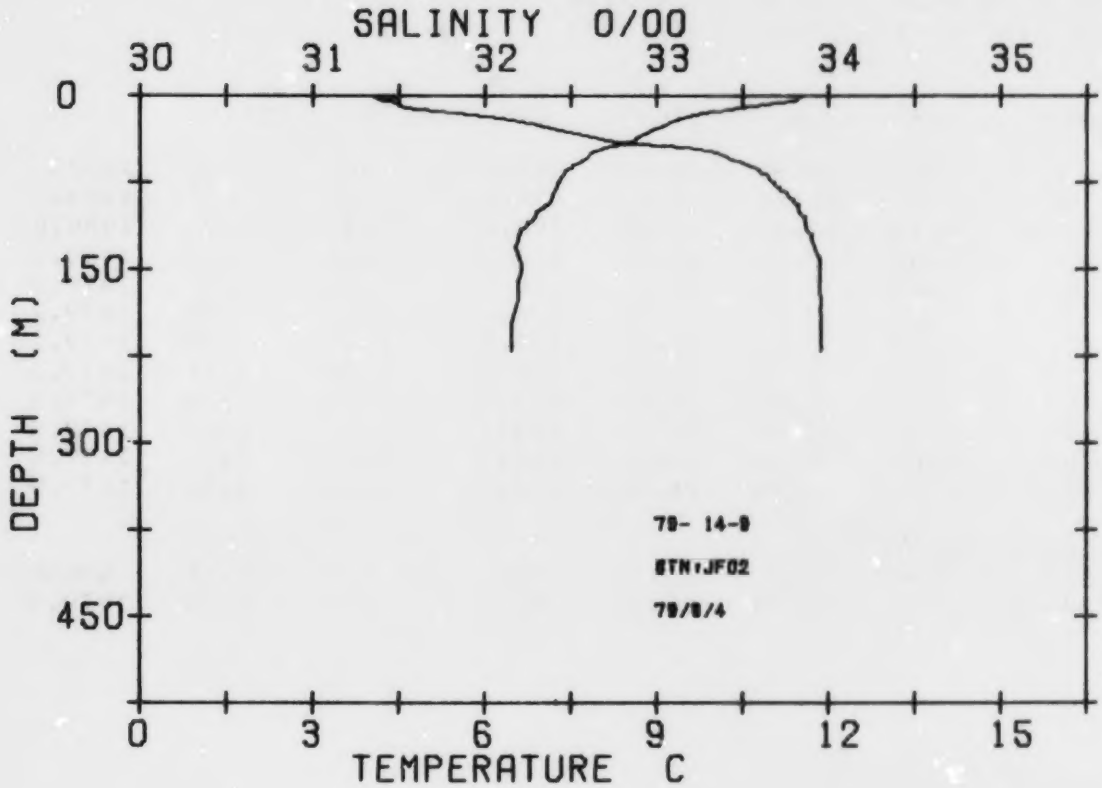

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-8
STN:JF03
79/8/3
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: JF03 CONS #008
LAT N 48 26.0 LONG W 124 31.0
DATE 79/08/03 TIME (PST) 2039

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.17	30.94	23.44	445.5	.00	.00	1493.0
10	10.66	31.50	24.13	379.4	.42	.02	1488.5
20	9.13	32.29	25.00	296.9	.75	.07	1484.0
30	7.97	33.19	25.88	213.2	1.01	.13	1480.9
50	7.49	33.57	26.25	178.4	1.39	.28	1479.9
75	7.14	33.78	26.46	159.0	1.81	.54	1479.2
100	6.99	33.83	26.52	153.6	2.20	.88	1479.1
125	6.99	33.86	26.55	151.4	2.58	1.31	1479.5
150	6.82	33.89	26.60	147.1	2.95	1.82	1479.3
175	6.74	33.94	26.64	143.3	3.31	2.41	1479.5
200	6.64	33.94	26.65	142.4	3.67	3.08	1479.5
225	6.63	33.94	26.66	142.5	4.02	3.84	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
230.0	6.63	33.93	26.65	142.9	4.10	4.00	1479.9

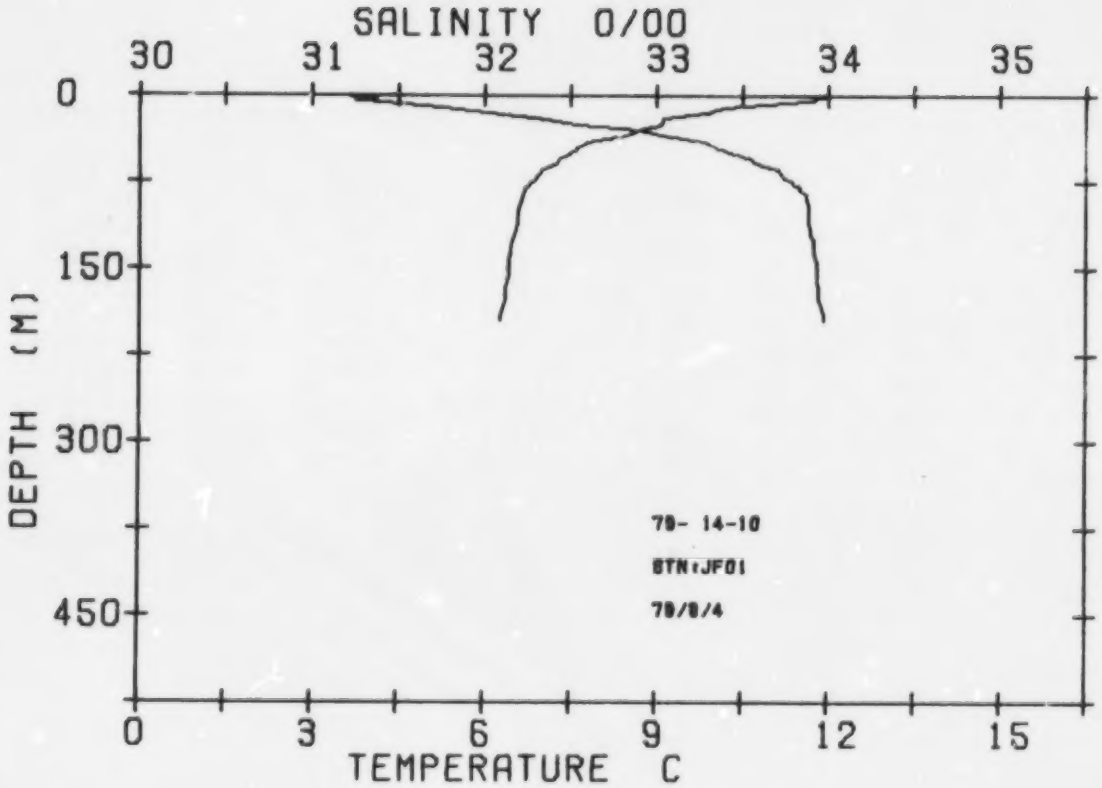

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-9
STN:JF02
79/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: JF02 CONS #009
LAT N 48 28.5 LONG W 124 39.0
DATE 79/08/04 TIME (PST) 0015

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.49	31.41	23.92	399.2	.00	.00	1491.2
10	10.46	31.53	24.19	373.7	.39	.02	1487.8
20	9.40	32.09	24.81	315.5	.73	.07	1484.8
30	8.90	32.44	25.15	282.5	1.03	.14	1483.5
50	7.83	33.35	26.03	199.5	1.52	.34	1480.9
75	7.25	33.68	26.37	167.6	1.97	.62	1479.5
100	6.91	33.83	26.54	152.1	2.37	.97	1478.8
125	6.56	33.90	26.64	142.8	2.74	1.38	1477.9
150	6.62	33.95	26.67	140.4	3.09	1.86	1478.6
175	6.56	33.96	26.68	139.2	3.44	2.43	1478.8
200	6.45	33.96	26.70	138.2	3.79	3.08	1478.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
220.1	6.44	33.96	26.70	138.5	4.06	3.66	1479.0

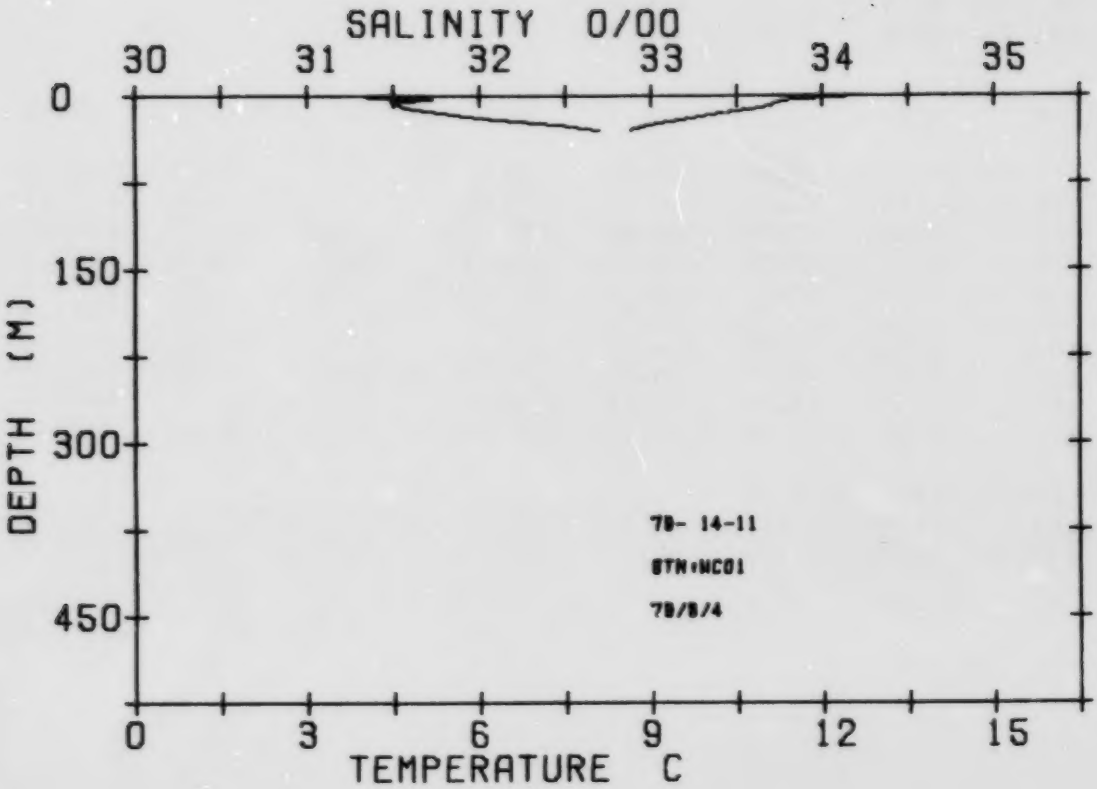

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-10
STN:JF01
79/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: JF01 CONS #010
LAT N 48 30.5 LONG W 124 46.5
DATE 79/08/04 TIME (PST) 0127

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.94	31.22	23.69	421.1	.00	.00	1492.5
10	10.14	31.75	24.42	352.0	.40	.02	1486.9
20	9.13	32.29	25.00	297.0	.72	.07	1484.0
30	8.67	32.90	25.55	244.9	1.00	.14	1483.2
50	7.50	33.43	26.14	189.3	1.42	.30	1479.7
75	6.80	33.79	26.52	153.6	1.85	.56	1477.9
100	6.58	33.89	26.63	143.4	2.21	.88	1477.5
125	6.47	33.92	26.66	140.6	2.57	1.29	1477.6
150	6.42	33.94	26.68	138.8	2.92	1.77	1477.8
175	6.36	33.95	26.71	137.0	3.26	2.33	1478.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
195.1	6.28	33.96	26.74	134.2	3.53	2.83	1478.0

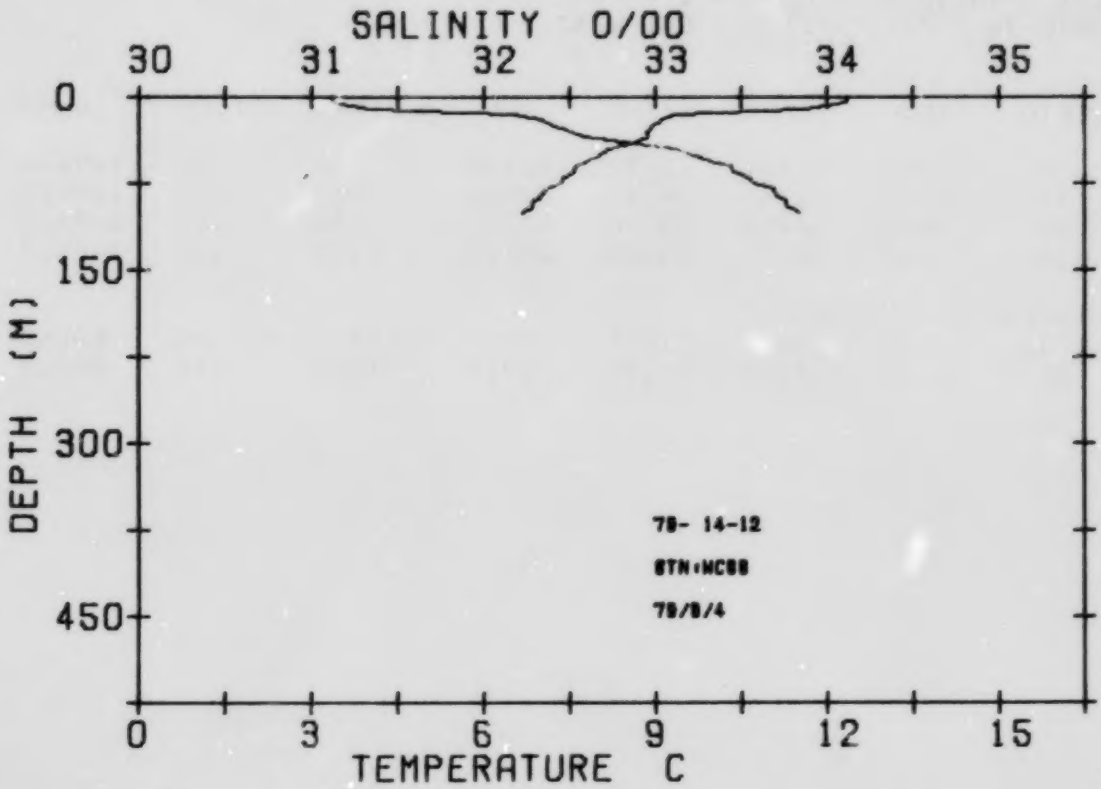

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-11
STN:WC01
79/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC01 CONS #011
LAT N 48 35.5 LONG W 124 57.0
DATE 79/08/04 TIME (PST) 0233

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.53	31.39	23.72	419.0	.00	.00	1494.8
10	10.99	31.56	24.13	379.8	.39	.02	1489.7
20	9.72	32.00	24.68	327.3	.74	.07	1485.8
30	8.65	32.70	25.39	259.7	1.03	.14	1482.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
30.2	8.65	32.70	25.40	259.0	1.04	.14	1482.9

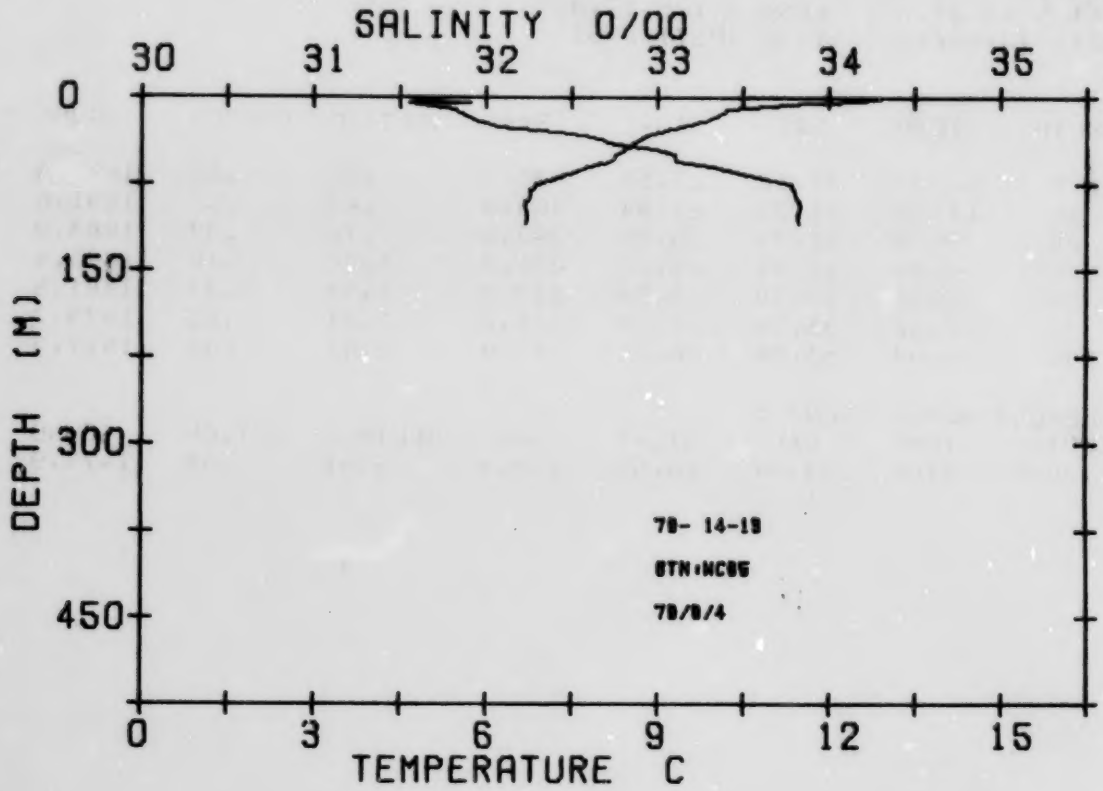

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-12
STN:MC88
78/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: #C66 CONS #012
LAT N 48 34.5 LONG W 125 17.0
DATE 79/08/04 TIME (PST) 0451

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.35	31.12	23.54	435.4	.00	.00	1493.8
10	11.59	31.33	23.84	406.9	.43	.02	1491.6
20	9.08	32.34	25.05	292.6	.76	.07	1483.9
30	8.84	32.51	25.22	276.2	1.04	.14	1483.4
50	8.03	33.20	25.88	213.3	1.53	.33	1481.5
75	7.32	33.58	26.28	176.2	2.01	.63	1479.7
100	6.68	33.84	26.57	148.4	2.41	.98	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.0	6.68	33.84	26.57	148.4	2.41	.98	1477.9

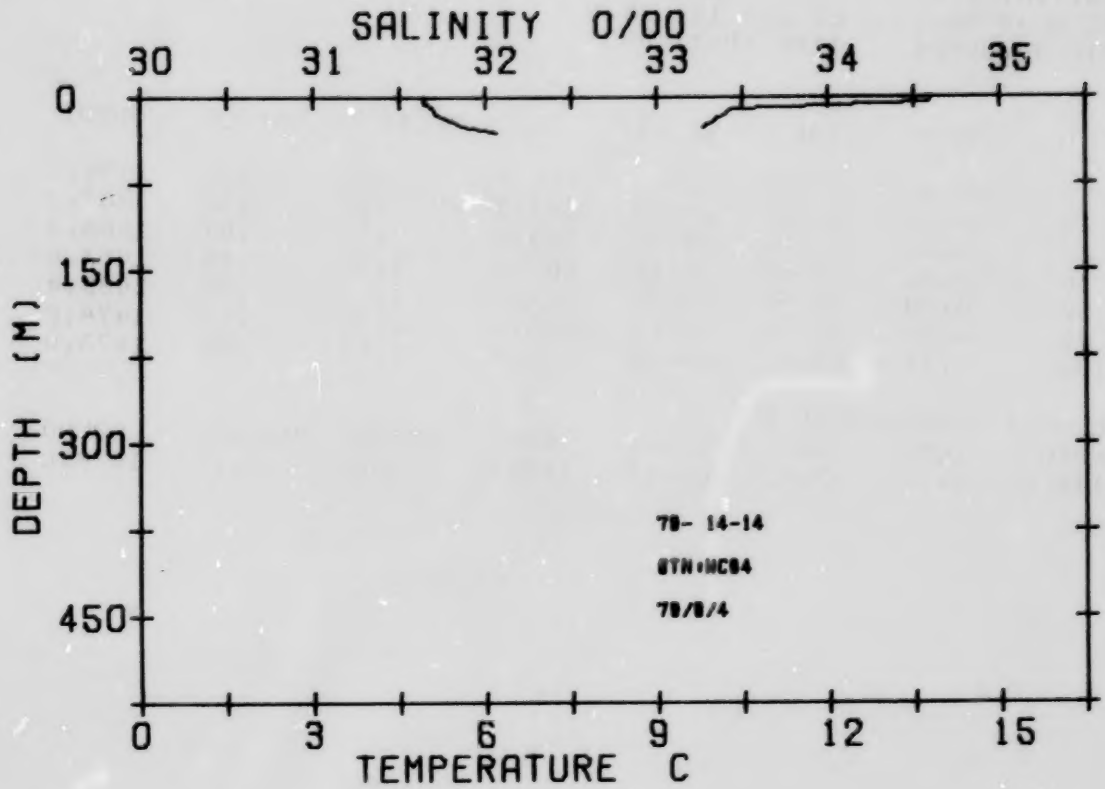

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-19
STN:NC05
78/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC65 CONS #013
LAT N 48 36.5 LONG W 125 28.5
DATE 79/08/04 TIME (PST) 0553

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.94	31.60	23.80	410.7	.00	.00	1496.4
10	10.22	31.83	24.47	347.7	.38	.02	1487.3
20	9.86	31.94	24.61	333.9	.73	.07	1486.3
30	8.99	32.41	25.12	285.9	1.04	.15	1483.8
50	8.29	33.10	25.76	225.1	1.54	.35	1482.4
75	6.87	33.78	26.50	155.5	2.03	.65	1478.2
100	6.71	33.82	26.55	150.6	2.41	.98	1478.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
110.0	6.68	33.83	26.57	149.2	2.56	1.13	1478.0

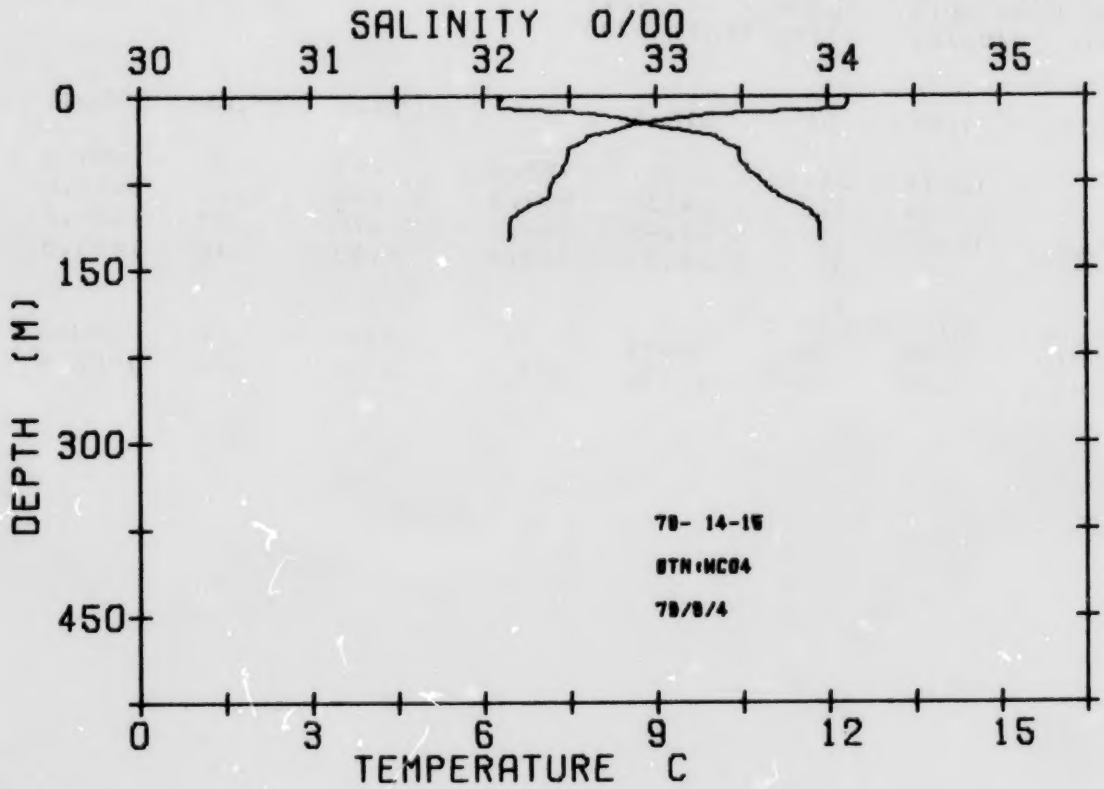

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-14
STN:HC84
79/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC64 CONS #014
LAT N 48 38.5 LONG W 125 40.0
DATE 79/08/04 TIME (PST) 0703

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.77	31.64	23.67	423.6	.00	.00	1499.3
10	10.34	31.70	24.34	359.3	.41	.02	1487.6
20	10.06	31.78	24.45	349.1	.76	.07	1486.8
30	9.66	32.04	24.72	323.9	1.10	.16	1485.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
45.1	8.52	32.83	25.52	247.7	1.55	.32	1482.8

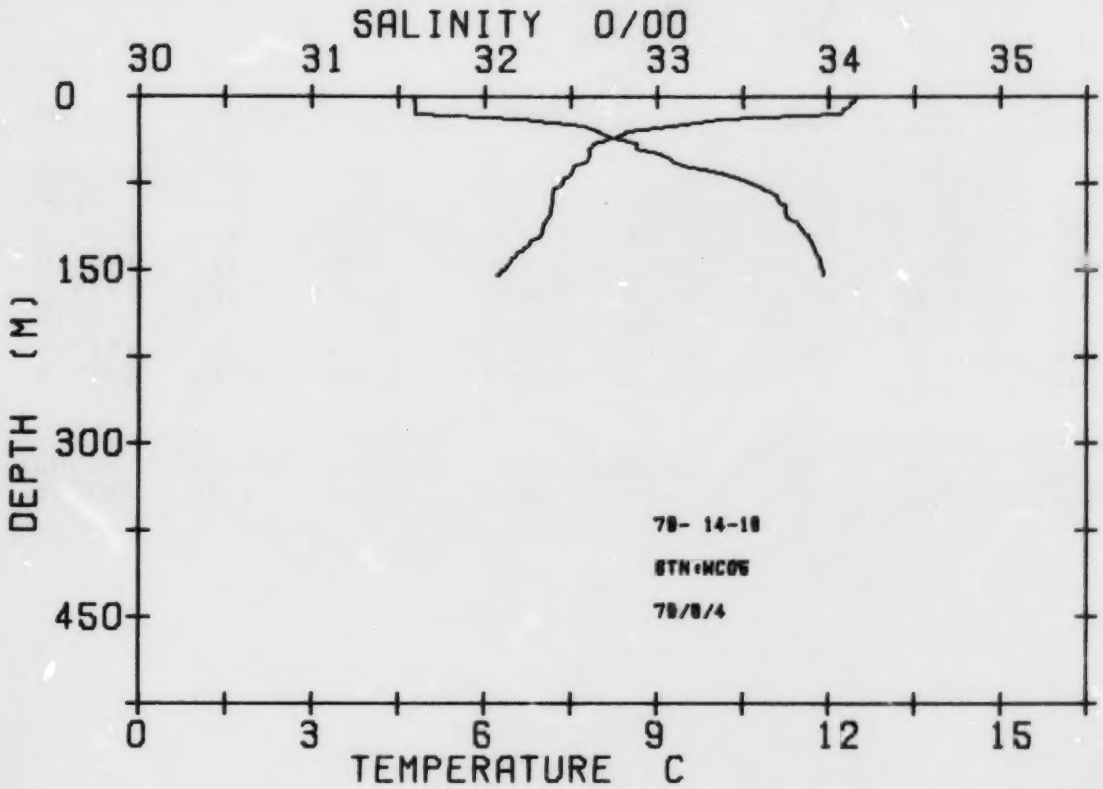

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-15
STN:HC04
79/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC04 CONS #015
LAT N 48 21.5 LONG W 125 26.5
DATE 79/08/04 TIME (PST) 0938

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.32	32.11	24.31	362.0	.00	.00	1494.9
10	12.28	32.09	24.30	363.4	.36	.02	1494.9
20	9.19	32.83	25.41	257.7	.66	.06	1484.9
30	8.24	33.18	25.83	218.1	.90	.12	1482.0
50	7.46	33.48	26.18	184.9	1.29	.28	1479.7
75	7.17	33.63	26.34	170.2	1.74	.55	1479.1
100	6.60	33.90	26.63	143.2	2.14	.90	1477.6
125	6.43	33.95	26.70	137.3	2.48	1.29	1477.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.0	6.43	33.95	26.70	137.3	2.48	1.29	1477.5


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-18
STN:WC06
78/8/4
0
3
6
9
12
15
TEMPERATURE C

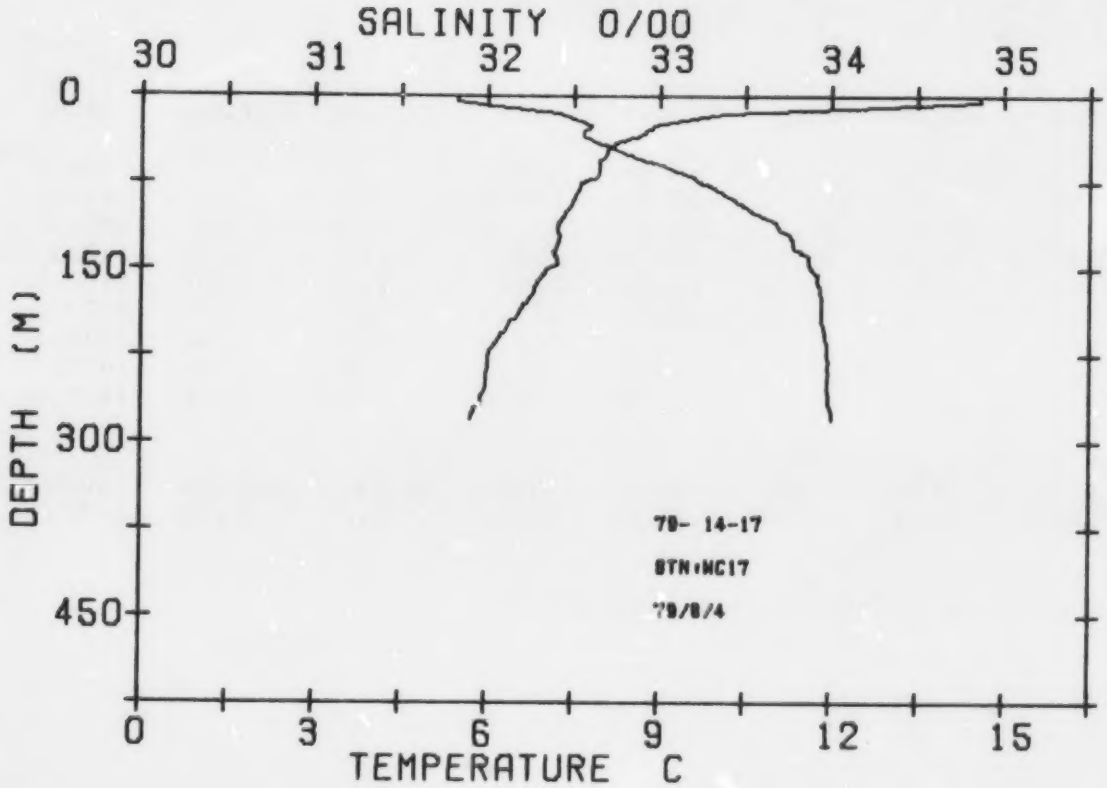
CRUISE : C.O.D.E. 79-14.
STATION: WC05 CONS #016
LAT N 48 16.5 LONG W 125 35.0
DATE 79/08/04 TIME (PST) 1200

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.51	31.59	23.88	403.8	.00	.00	1494.9
10	12.27	31.60	23.93	399.1	.40	.02	1494.3
20	10.09	32.21	24.79	317.5	.78	.08	1487.5
30	8.49	32.66	25.39	259.7	1.06	.15	1482.2
50	7.83	33.01	25.76	224.8	1.55	.34	1480.5
75	7.31	33.55	26.26	177.9	2.05	.65	1479.6
100	7.13	33.75	26.44	161.4	2.47	1.02	1479.6
125	6.80	33.90	26.60	146.3	2.85	1.45	1478.9
150	6.30	33.97	26.73	134.6	3.20	1.93	1477.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
155.1	6.21	33.97	26.74	133.7	3.27	2.03	1477.1

WIND MIXED LAYER DEPTH = 15.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-17
STN:HC17
79/8/4
0
3
6
9
12
15
TEMPERATURE C

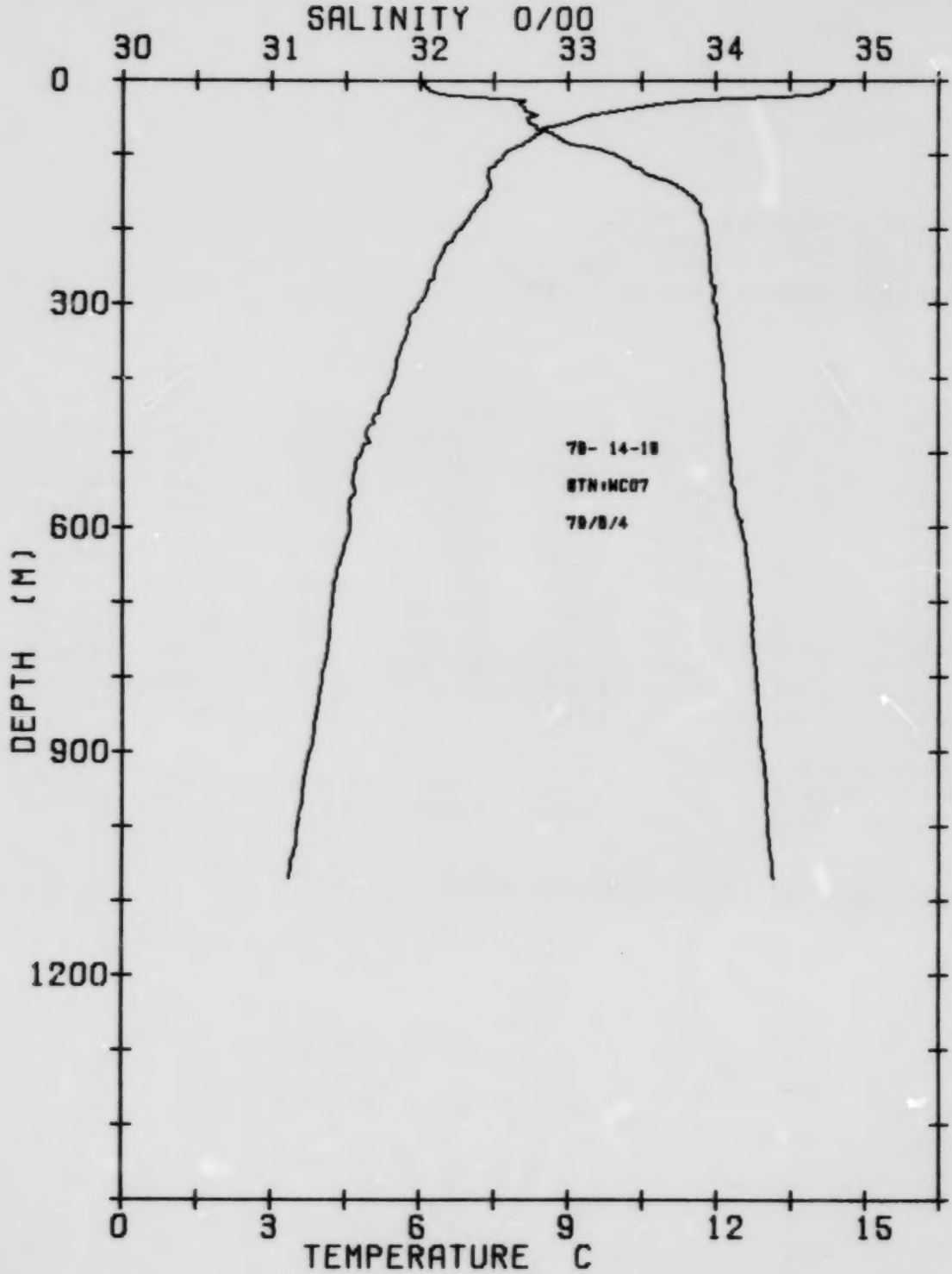
CRUISE : C.O.D.E. 79-14.
STATION: WC06 CONS #017
LAT N 48 12.0 LONG W 125 47.0
DATE 79/08/04 TIME (PST) 1319

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.57	31.82	23.64	426.3	.00	.00	1502.1
10	12.31	32.14	24.34	359.9	.41	.02	1495.1
20	9.55	32.50	25.10	287.4	.72	.07	1485.9
30	8.77	32.56	25.27	271.7	1.00	.13	1483.2
50	8.06	32.79	25.55	244.7	1.52	.34	1481.1
75	7.64	33.23	25.96	206.3	2.08	.69	1480.4
100	7.35	33.54	26.24	180.0	2.56	1.11	1480.1
125	7.24	33.78	26.45	160.9	2.98	1.58	1480.4
150	7.03	33.89	26.57	149.9	3.37	2.12	1480.2
175	6.72	33.95	26.65	142.2	3.73	2.71	1479.4
200	6.32	33.96	26.71	136.4	4.08	3.36	1478.2
225	6.01	33.98	26.77	131.3	4.42	4.07	1477.4
250	5.96	33.98	26.77	131.2	4.74	4.85	1477.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
280.0	5.71	34.01	26.83	126.0	5.13	5.87	1477.2

WIND MIXED LAYER DEPTH = 5.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-18
STN:NC07
79/8/4
0
3
6
9
12
15
TEMPERATURE C

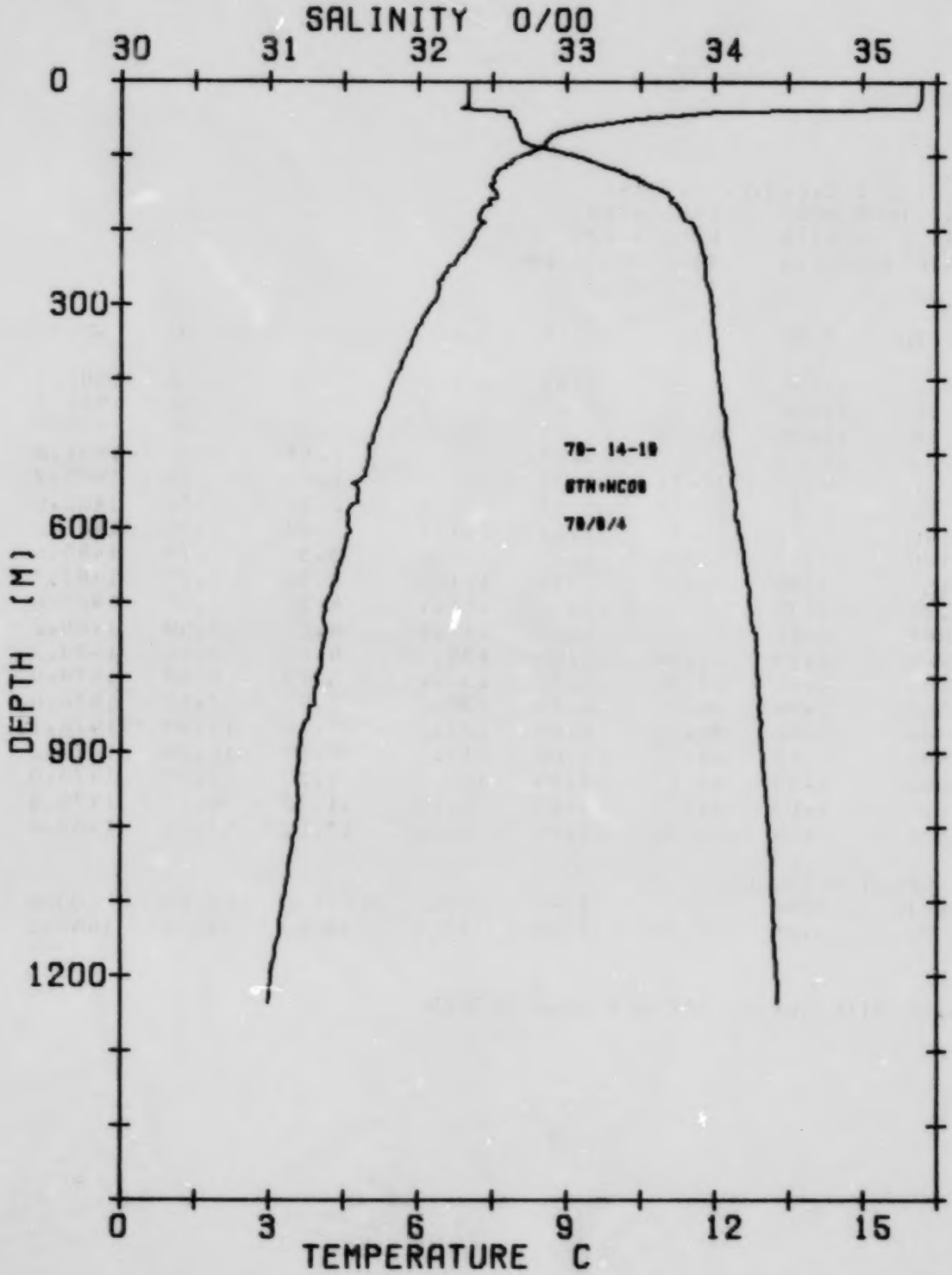
CRUISE : C.O.D.E. 79-14.
STATION: WC07 CONS #018
LAT N 48 07.0 LONG W 125 56.5
DATE 79/08/04 TIME (PST) 1444

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.38	32.03	23.84	407.2	.00	.00	1501.7
10	14.32	32.05	23.87	404.9	.41	.02	1501.7
20	13.95	32.21	24.07	385.6	.80	.08	1500.9
30	11.09	32.67	24.97	300.2	1.13	.16	1491.8
50	9.30	32.72	25.31	268.1	1.69	.38	1485.7
75	8.30	32.93	25.63	237.9	2.32	.78	1482.6
100	7.70	33.32	26.02	201.1	2.87	1.26	1481.2
125	7.37	33.53	26.23	181.4	3.35	1.79	1480.6
150	7.36	33.80	26.45	161.3	3.78	2.37	1481.3
175	7.08	33.89	26.56	151.1	4.16	3.00	1480.8
200	6.81	33.94	26.63	144.4	4.53	3.69	1480.2
225	6.49	33.96	26.69	139.2	4.89	4.45	1479.3
250	6.31	33.96	26.72	136.9	5.23	5.27	1479.0
300	5.98	34.00	26.79	130.7	5.90	7.11	1478.6
400	5.46	34.05	26.89	121.5	7.15	11.49	1478.1
500	4.82	34.09	27.00	111.7	8.32	16.70	1477.2
600	4.60	34.17	27.09	104.0	9.39	22.63	1478.0
800	4.03	34.27	27.23	92.3	11.33	36.15	1479.1
1000	3.54	34.35	27.34	82.1	13.07	51.75	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1070.0	3.35	34.39	27.39	77.9	13.63	57.54	1480.8

WIND MIXED LAYER DEPTH = 20.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-19
STN:NCOS
79/8/4
0
3
6
9
12
15
TEMPERATURE C

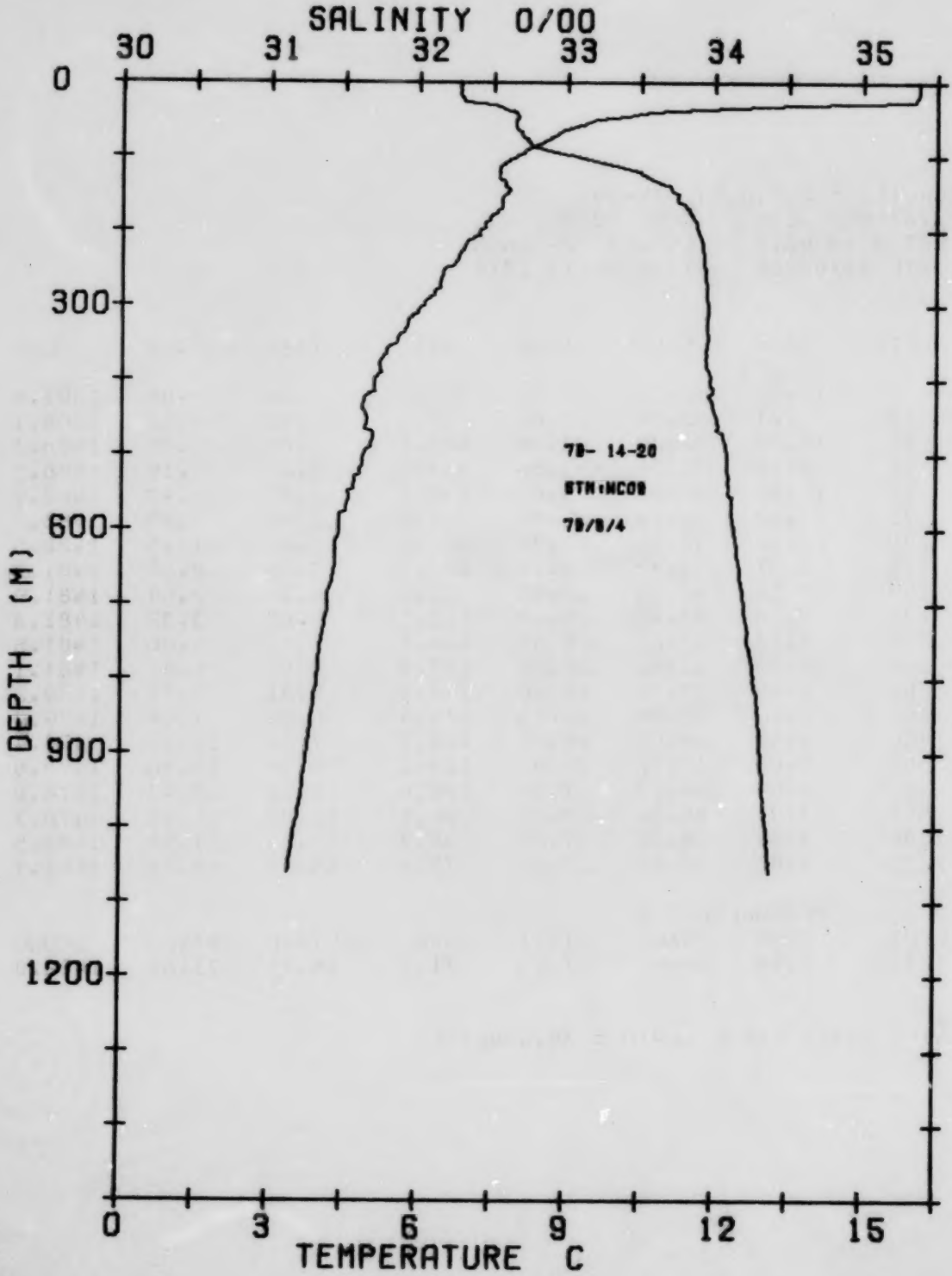
CRUISE : C.O.D.E. 79-14.
STATION: #C08 CONS #019
LAT N 48 02.5 LONG W 126 06.5
DATE 79/08/04 TIME (PST) 1714

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.20	32.33	23.68	422.6	.00	.00	1507.9
10	16.21	32.34	23.68	422.8	.42	.02	1508.1
20	16.21	32.34	23.68	423.1	.85	.08	1508.3
30	16.18	32.34	23.69	422.5	1.27	.19	1508.3
50	10.46	32.64	25.06	292.0	1.97	.47	1489.9
75	8.68	32.69	25.38	261.6	2.66	.89	1483.7
100	8.11	33.06	25.76	226.3	3.28	1.43	1482.5
125	7.57	33.40	26.10	193.7	3.80	2.02	1481.2
150	7.55	33.68	26.33	172.8	4.25	2.64	1481.9
175	7.25	33.78	26.44	162.1	4.67	3.32	1481.3
200	7.18	33.87	26.53	154.1	5.07	4.06	1481.5
225	6.95	33.92	26.60	147.9	5.45	4.87	1481.1
250	6.60	33.94	26.66	142.0	5.81	5.73	1480.2
300	6.26	33.99	26.75	134.8	6.50	7.64	1479.7
400	5.51	34.03	26.87	123.4	7.80	12.15	1478.4
500	5.00	34.10	26.99	113.2	8.98	17.46	1478.0
600	4.59	34.17	27.09	104.4	10.06	23.43	1478.0
800	3.94	34.30	27.26	88.8	11.98	36.80	1478.7
1000	3.54	34.37	27.36	80.7	13.67	51.98	1480.5
1200	3.03	34.42	27.45	72.4	15.20	68.78	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.0	2.98	34.42	27.45	71.9	15.45	71.84	1482.0

WIND MIXED LAYER DEPTH = 35.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-20
STN:NCOB
79/8/4
0
3
6
9
12
15
TEMPERATURE C

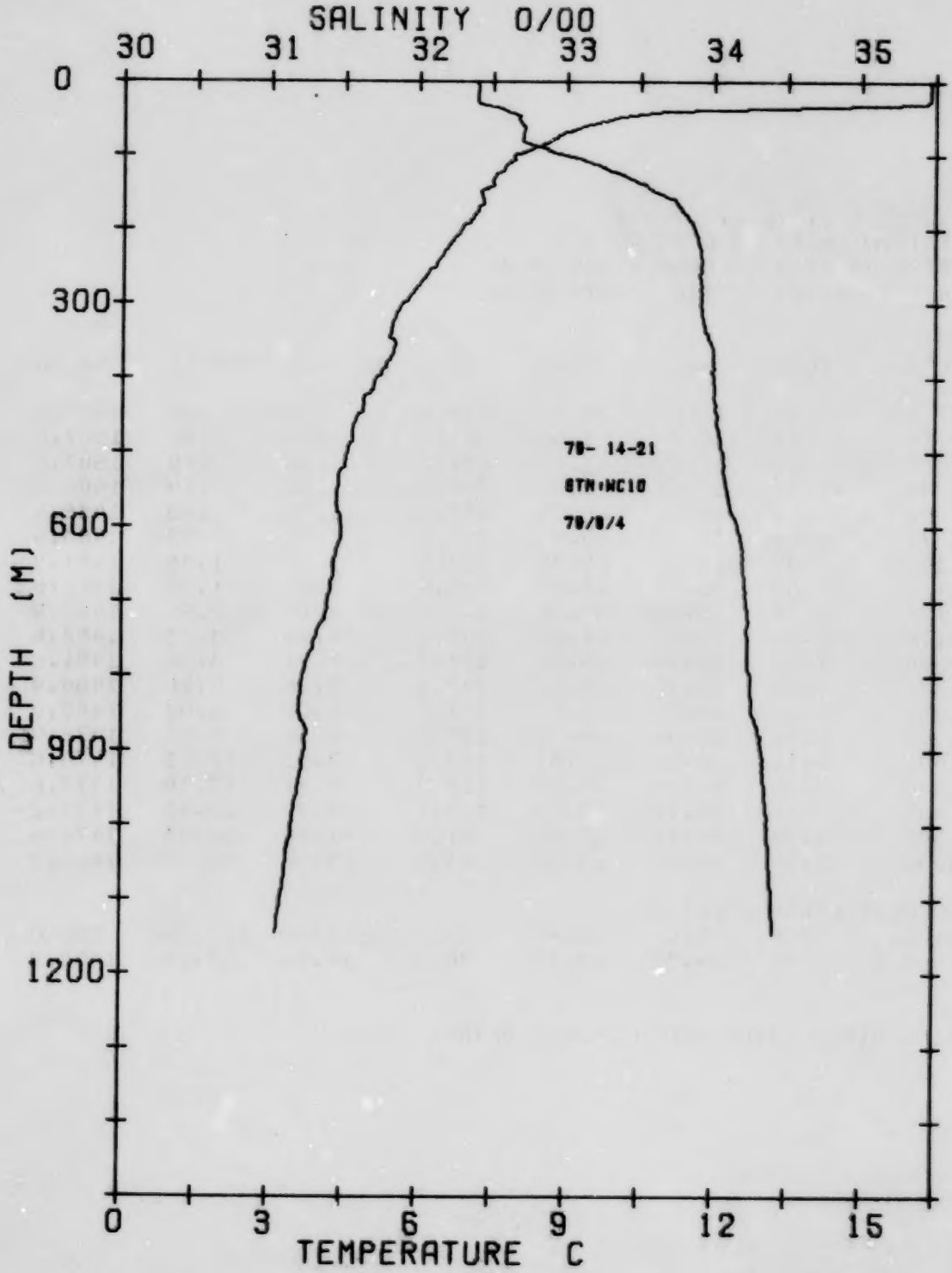
CRUISE : C.O.D.E. 79-14.
STATION: WC09 CONS #020
LAT N 48 02.5 LONG W 126 20.0
DATE 79/08/04 TIME (PST) 1936

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.12	32.28	23.65	425.2	.00	.00	1507.6
10	16.13	32.28	23.65	425.7	.43	.02	1507.8
20	16.10	32.29	23.67	424.2	.85	.09	1507.9
30	13.77	32.51	24.33	360.6	1.26	.19	1500.8
50	9.61	32.65	25.21	277.9	1.87	.43	1486.7
75	8.64	32.72	25.41	258.6	2.54	.85	1483.6
100	7.98	33.07	25.79	223.4	3.15	1.38	1481.9
125	7.63	33.53	26.20	184.6	3.65	1.94	1481.6
150	7.77	33.75	26.35	171.0	4.10	2.55	1482.9
175	7.56	33.84	26.46	161.1	4.51	3.23	1482.6
200	7.24	33.89	26.54	153.7	4.91	3.96	1481.8
225	6.91	33.92	26.60	147.5	5.28	4.76	1480.9
250	6.56	33.94	26.67	141.8	5.64	5.62	1480.0
300	6.08	33.96	26.74	134.8	6.34	7.53	1478.9
400	5.11	33.97	26.87	123.5	7.63	12.03	1476.6
500	4.90	34.09	26.99	112.7	8.81	17.35	1477.6
600	4.40	34.14	27.09	104.1	9.90	23.33	1477.2
800	3.96	34.27	27.24	91.0	11.85	36.93	1478.8
1000	3.54	34.37	27.35	80.9	13.56	52.32	1480.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1060.2	3.40	34.39	27.39	78.0	14.04	57.25	1480.9

WIND MIXED LAYER DEPTH = 24.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-21
STN:NC10
79/8/4
0
3
6
9
12
15
TEMPERATURE C

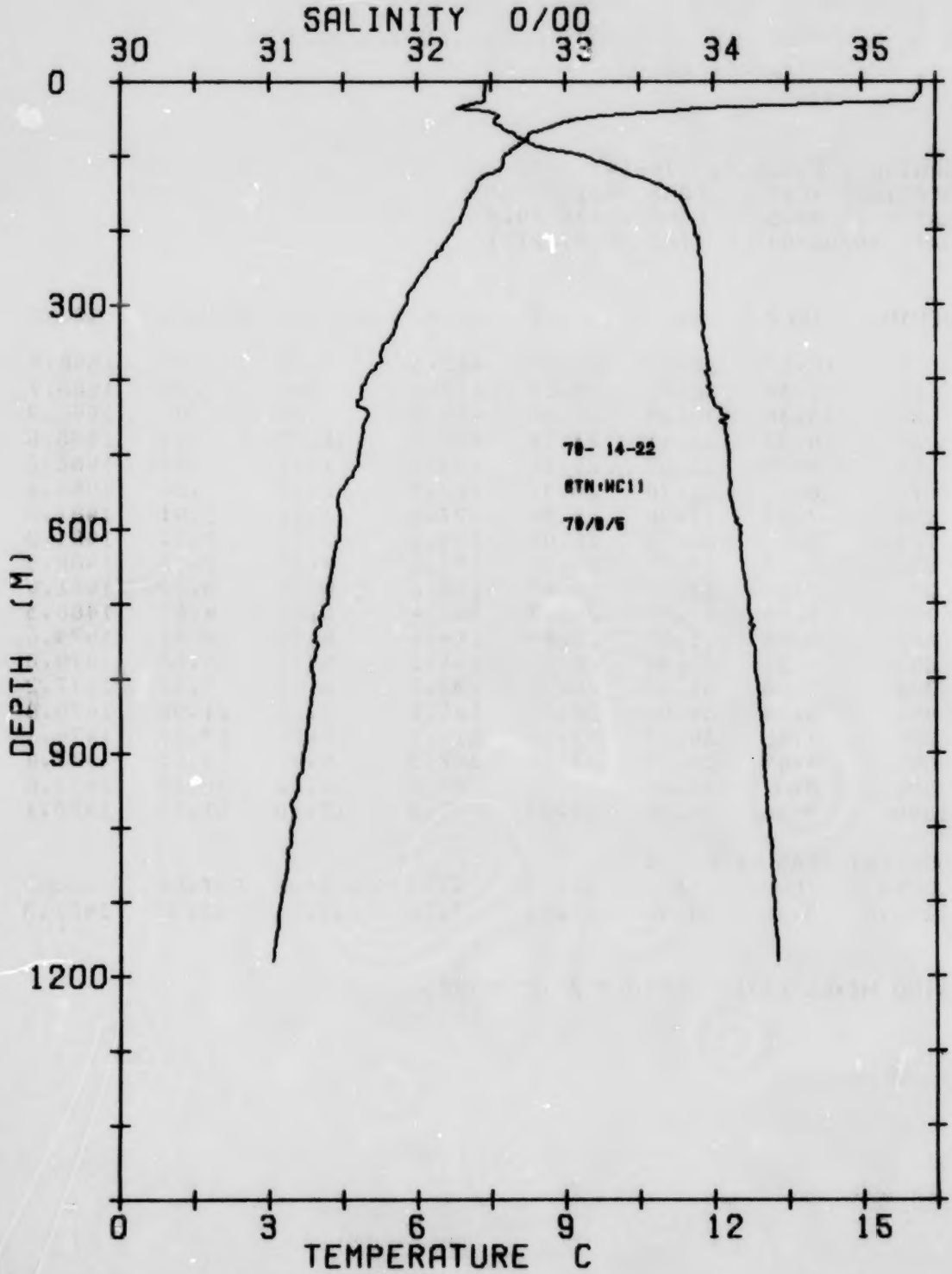
CRUISE : C.O.D.E. 79-14.
STATION: WC10 CONS #021
LAT N 48 06.5 LONG W 126 29.5
DATE 79/08/04 TIME (PST) 2151

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.37	32.39	23.68	422.3	.00	.00	1508.5
10	16.38	32.40	23.69	422.1	.42	.02	1508.7
20	16.38	32.39	23.68	422.8	.84	.08	1508.9
30	16.32	32.41	23.71	420.9	1.27	.19	1508.8
50	9.99	32.67	25.16	282.2	1.91	.44	1488.2
75	8.80	32.70	25.37	262.5	2.59	.86	1484.2
100	7.92	33.00	25.74	227.8	3.21	1.41	1481.6
125	7.56	33.38	26.09	195.2	3.74	2.00	1481.2
150	7.23	33.61	26.32	173.8	4.20	2.63	1480.6
175	7.19	33.79	26.47	160.0	4.61	3.30	1481.0
200	6.88	33.87	26.57	150.4	5.00	4.03	1480.3
225	6.58	33.91	26.64	144.1	5.37	4.81	1479.6
250	6.33	33.91	26.67	141.0	5.72	5.66	1479.0
300	5.68	33.91	26.76	133.1	6.41	7.53	1477.2
400	5.14	34.00	26.89	121.1	7.68	11.96	1476.8
500	4.56	34.07	27.01	110.7	8.84	17.18	1476.1
600	4.45	34.17	27.11	102.3	9.90	23.03	1477.4
800	3.67	34.26	27.25	89.0	11.82	36.39	1477.6
1000	3.46	34.38	27.37	79.3	13.50	51.52	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1145.0	3.16	34.42	27.43	73.4	14.61	63.37	1481.3

WIND MIXED LAYER DEPTH = 29.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-22
STN:HC11
78/8/5
0
3
6
9
12
15
TEMPERATURE C

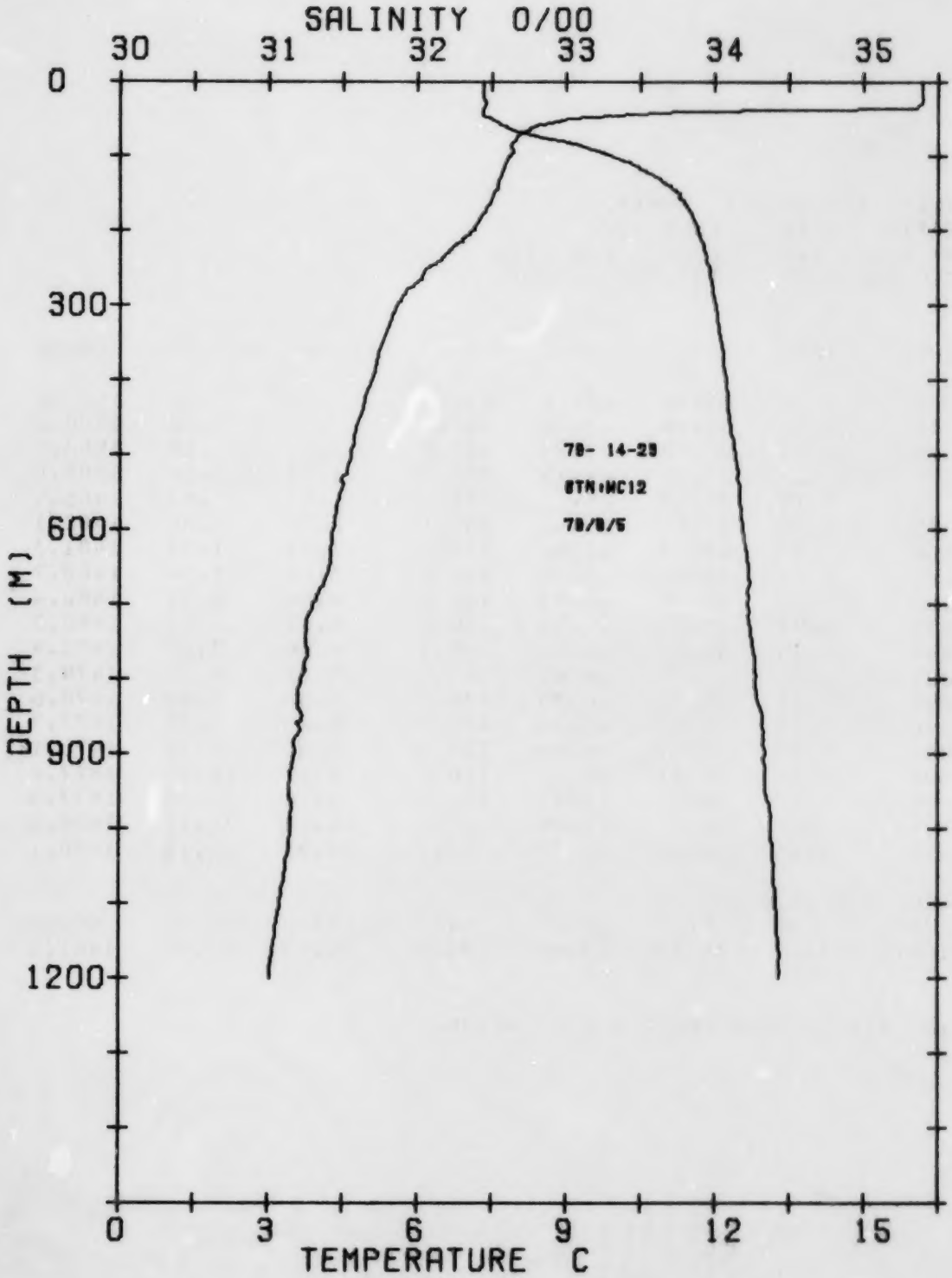
CRUISE : C.O.D.E. 79-14.
STATION: WC11 CONS #022
LAT N 48 11.0 LONG W 126 39.5
DATE 79/08/05 TIME (PST) 0005

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.18	32.46	23.78	412.7	.00	.00	1508.0
10	16.19	32.46	23.78	413.4	.41	.02	1508.2
20	16.13	32.46	23.79	412.2	.83	.08	1508.2
30	14.17	32.36	24.14	379.7	1.23	.18	1502.0
50	9.29	32.53	25.17	281.8	1.87	.43	1485.4
75	8.26	32.69	25.45	255.1	2.54	.85	1482.1
100	7.80	33.13	25.86	216.4	3.14	1.37	1481.3
125	7.42	33.45	26.16	188.0	3.64	1.94	1480.7
150	7.14	33.74	26.43	162.8	4.08	2.54	1480.4
175	6.97	33.83	26.53	154.2	4.47	3.17	1480.3
200	6.75	33.88	26.59	148.1	4.85	3.88	1479.9
225	6.50	33.91	26.65	142.9	5.21	4.65	1479.3
250	6.21	33.92	26.70	138.5	5.56	5.49	1478.6
300	5.78	33.93	26.76	133.0	6.24	7.35	1477.7
400	4.99	33.97	26.89	121.6	7.52	11.81	1476.1
500	4.82	34.11	27.01	110.8	8.67	16.99	1477.2
600	4.42	34.18	27.11	101.9	9.74	22.85	1477.3
800	3.88	34.29	27.26	89.0	11.64	36.10	1478.5
1000	3.45	34.38	27.37	78.7	13.31	51.18	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1180.1	3.07	34.43	27.45	71.8	14.67	65.95	1481.5

WIND MIXED LAYER DEPTH = 25.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-28
STN:MC12
78/8/5
0
3
6
9
12
15
TEMPERATURE C

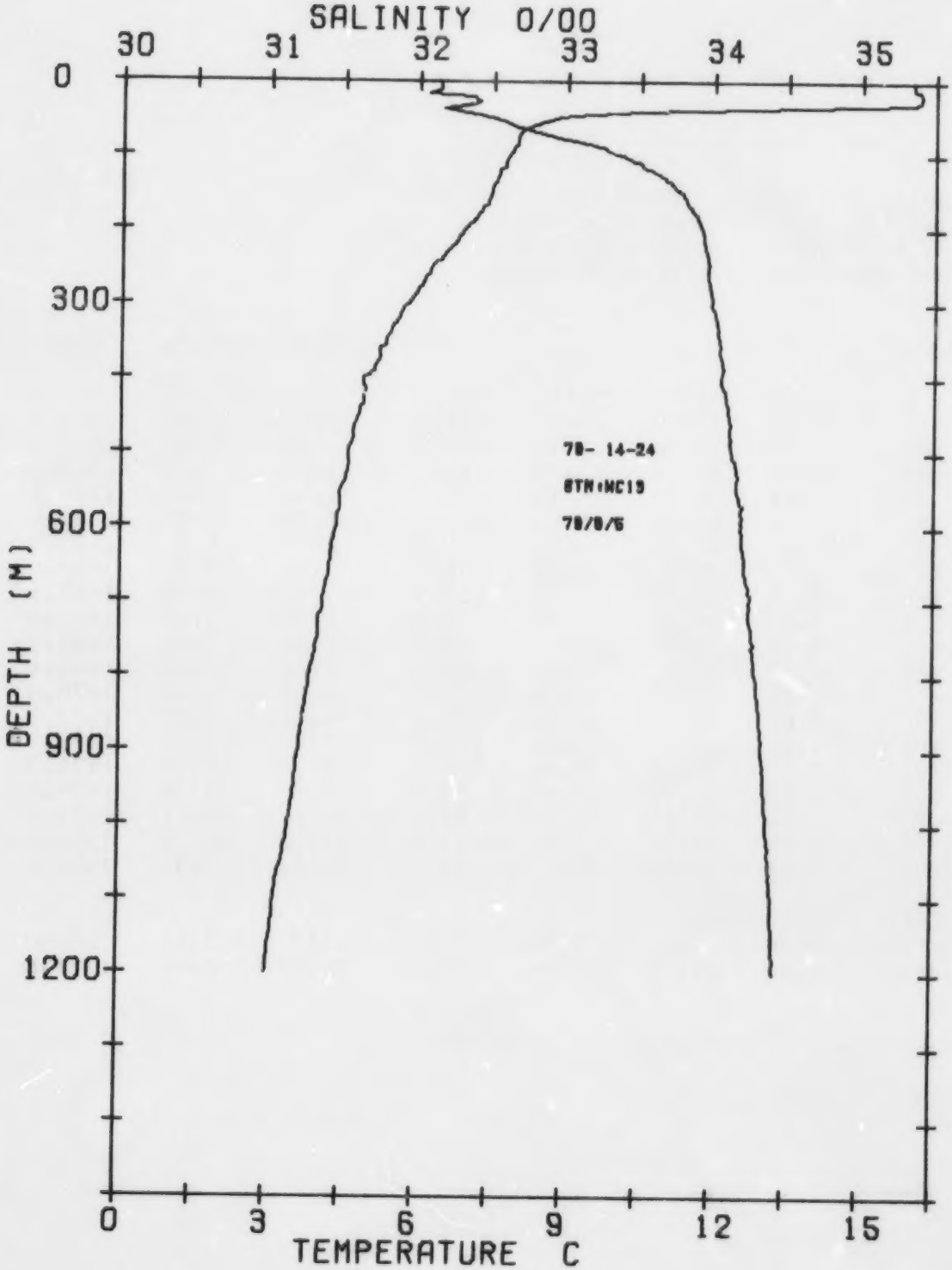
CRUISE : C.O.D.E. 79-14.
STATION: WC12 CONS #023
LAT N 48 16.0 LONG W 126 49.5
DATE 79/08/05 TIME (PST) 0205

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.17	32.44	23.76	414.4	.00	.00	1507.9
10	16.17	32.44	23.77	414.5	.41	.02	1508.1
20	16.18	32.44	23.76	415.1	.83	.08	1508.3
30	16.18	32.46	23.78	414.1	1.24	.19	1508.5
50	9.11	32.50	25.17	281.6	1.94	.46	1484.7
75	8.02	32.84	25.60	240.8	2.59	.86	1481.4
100	7.90	33.30	25.97	205.6	3.14	1.34	1481.9
125	7.72	33.59	26.23	181.7	3.62	1.88	1482.0
150	7.57	33.76	26.38	167.5	4.05	2.48	1482.1
175	7.37	33.84	26.48	159.1	4.46	3.14	1481.8
200	7.13	33.88	26.55	152.7	4.85	3.87	1481.3
225	6.69	33.93	26.64	143.6	5.22	4.66	1480.1
250	6.24	33.97	26.73	135.5	5.57	5.49	1478.8
300	5.61	34.01	26.84	125.2	6.22	7.28	1477.1
400	5.10	34.08	26.96	115.1	7.42	11.46	1476.7
500	4.69	34.14	27.05	106.7	8.53	16.44	1476.7
600	4.32	34.19	27.13	99.9	9.56	22.09	1476.9
800	3.66	34.27	27.27	87.6	11.42	35.11	1477.5
1000	3.45	34.38	27.37	79.0	13.08	49.98	1480.1
1200	3.02	34.43	27.46	71.3	14.58	66.43	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.1	3.02	34.43	27.46	71.3	14.58	66.44	1481.6

WIND MIXED LAYER DEPTH = 35.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-24
STN:MC13
78/8/5
0
3
6
9
12
15
TEMPERATURE C

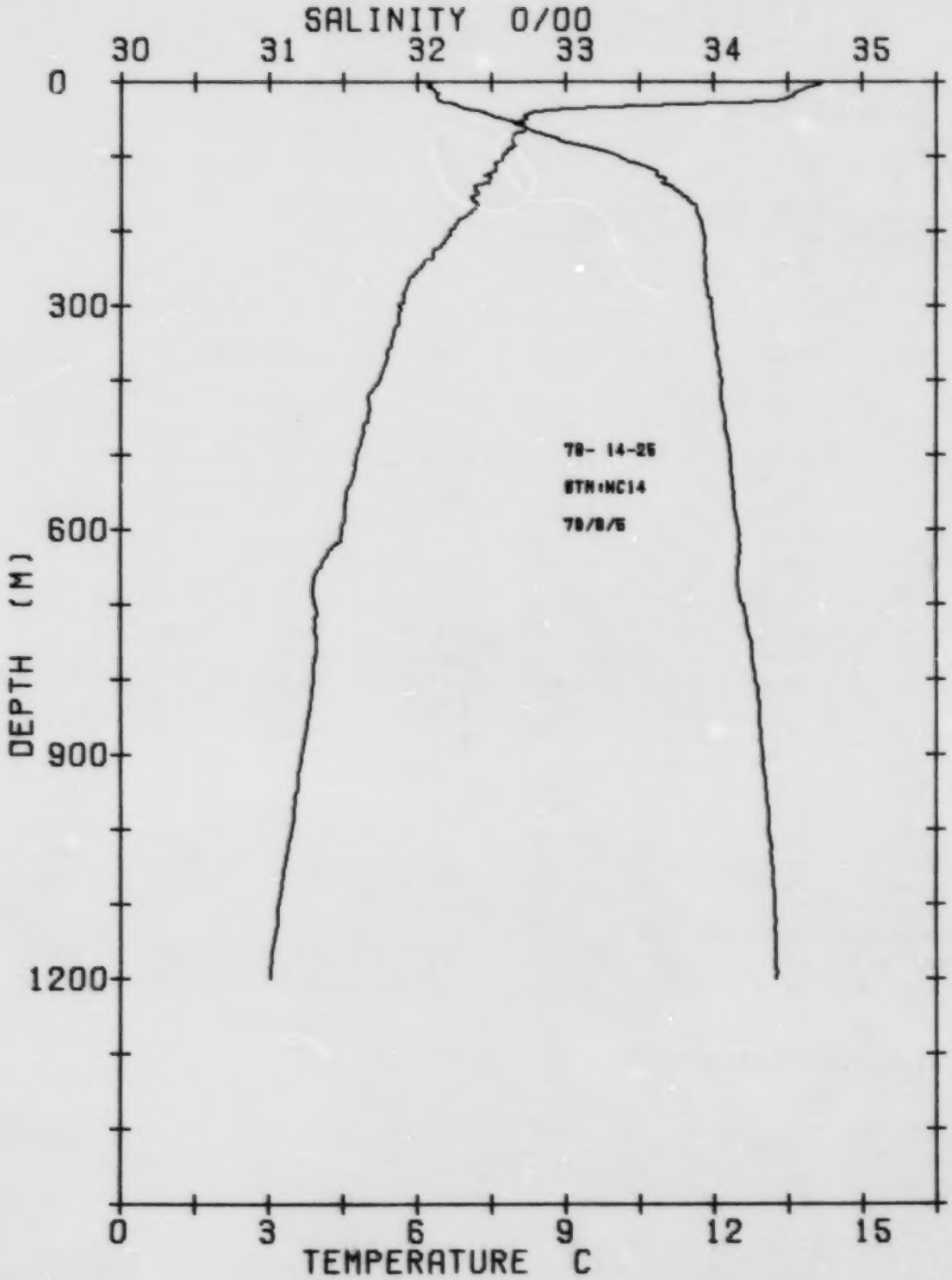
CRUISE : C.O.D.E. 79-14.
STATION: WC13 CONS #024
LAT N 48 20.5 LONG W 127 00.0
DATE 79/08/05 TIME (PST) 0427

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.03	32.14	23.57	433.2	.00	.00	1507.1
10	16.04	32.14	23.57	433.3	.43	.02	1507.3
20	16.20	32.37	23.71	420.6	.87	.09	1508.3
30	16.07	32.36	23.72	419.0	1.29	.19	1508.0
50	8.75	32.52	25.24	274.4	1.95	.45	1483.4
75	8.01	32.94	25.68	233.1	2.58	.84	1481.5
100	7.82	33.38	26.06	197.9	3.12	1.31	1481.7
125	7.63	33.63	26.28	177.2	3.58	1.84	1481.7
150	7.46	33.78	26.42	163.8	4.01	2.42	1481.7
175	7.26	33.86	26.51	156.3	4.41	3.07	1481.4
200	6.94	33.92	26.60	147.6	4.79	3.78	1480.6
225	6.64	33.94	26.66	142.5	5.15	4.55	1479.9
250	6.28	33.96	26.72	136.5	5.50	5.37	1478.9
300	5.78	33.98	26.80	129.1	6.16	7.20	1477.7
400	4.89	34.05	26.96	114.8	7.37	11.42	1475.8
500	4.58	34.13	27.05	106.5	8.48	16.38	1476.3
600	4.37	34.19	27.13	100.0	9.50	22.01	1477.1
800	3.85	34.30	27.27	87.8	11.36	35.12	1478.4
1000	3.46	34.38	27.37	79.1	13.04	50.05	1480.1
1200	3.01	34.44	27.46	70.9	14.53	66.38	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.01	34.44	27.46	70.9	14.53	66.38	1481.6

WIND MIXED LAYER DEPTH = 28.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-25
STN:NC14
78/8/5
0
3
6
9
12
15
TEMPERATURE C

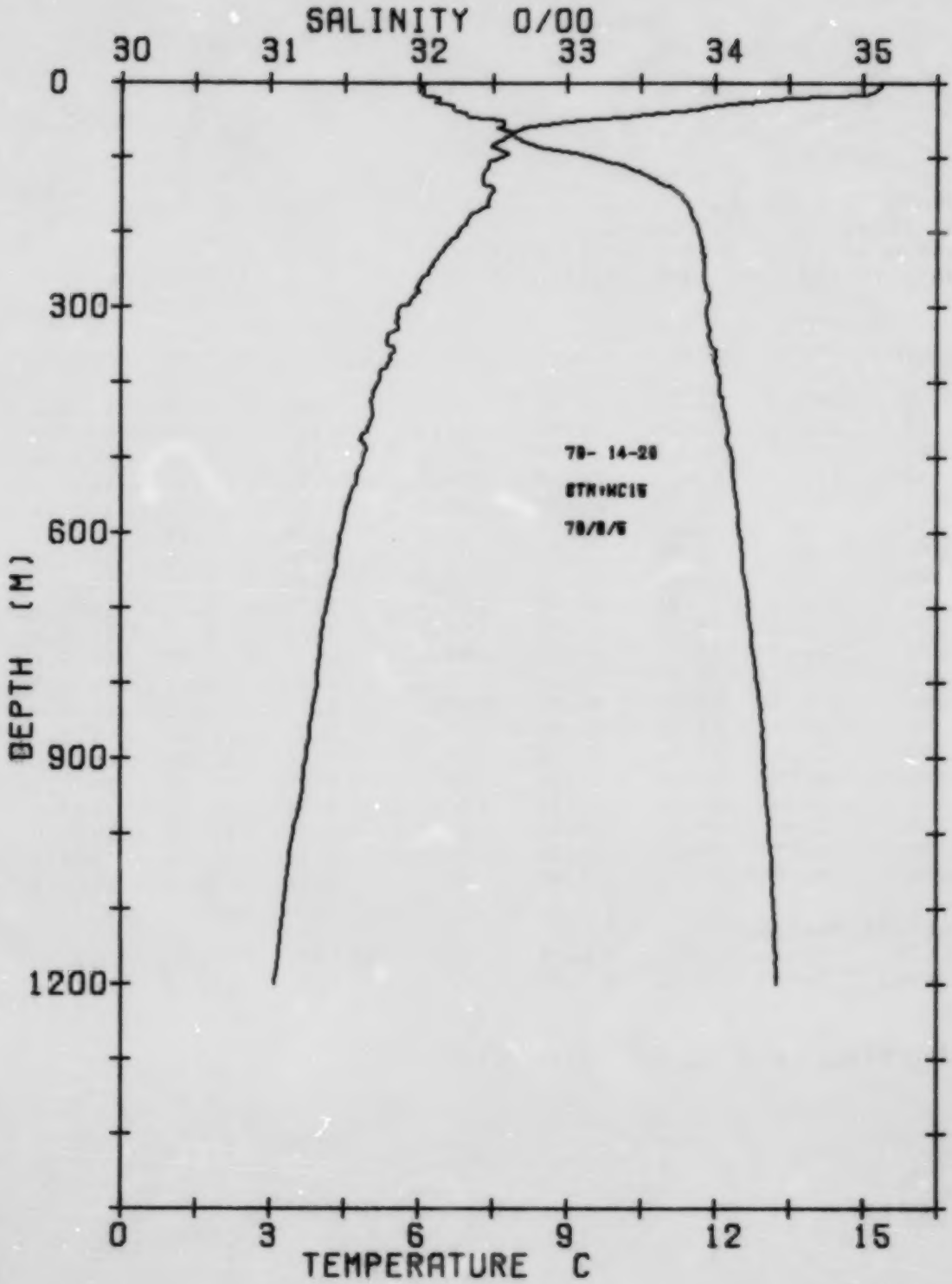
CRUISE : C.O.D.E. 79-14.
STATION: WC14 CONS #025
LAT N 48 25.0 LONG W 127 09.5
DATE 79/08/05 TIME (PST) 0633

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.19	32.08	23.92	399.8	.00	.00	1501.2
10	13.85	32.11	24.01	391.2	.40	.02	1500.3
20	13.60	32.13	24.08	384.8	.78	.08	1499.6
30	11.42	32.26	24.59	336.1	1.15	.17	1492.5
50	8.21	32.58	25.37	262.6	1.72	.39	1481.4
75	7.91	32.95	25.70	231.0	2.34	.78	1481.1
100	7.75	33.36	26.05	198.8	2.88	1.25	1481.4
125	7.39	33.61	26.30	175.3	3.34	1.77	1480.8
150	7.24	33.78	26.45	161.4	3.76	2.35	1480.8
175	7.08	33.89	26.56	151.1	4.15	2.97	1480.8
200	6.67	33.93	26.65	143.2	4.52	3.66	1479.6
225	6.34	33.93	26.69	139.1	4.87	4.41	1478.7
250	6.05	33.94	26.73	135.1	5.21	5.23	1477.9
300	5.62	33.98	26.82	127.3	5.87	7.02	1477.1
400	5.24	34.06	26.92	118.4	7.10	11.34	1477.3
500	4.78	34.12	27.02	109.6	8.24	16.47	1477.1
600	4.48	34.17	27.10	103.1	9.31	22.32	1477.5
800	3.90	34.28	27.25	89.6	11.22	35.67	1478.5
1000	3.47	34.37	27.36	79.7	12.91	50.81	1480.2
1200	3.02	34.42	27.45	72.4	14.41	67.29	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.1	3.02	34.42	27.45	72.4	14.41	67.30	1481.6

WIND MIXED LAYER DEPTH = 23.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

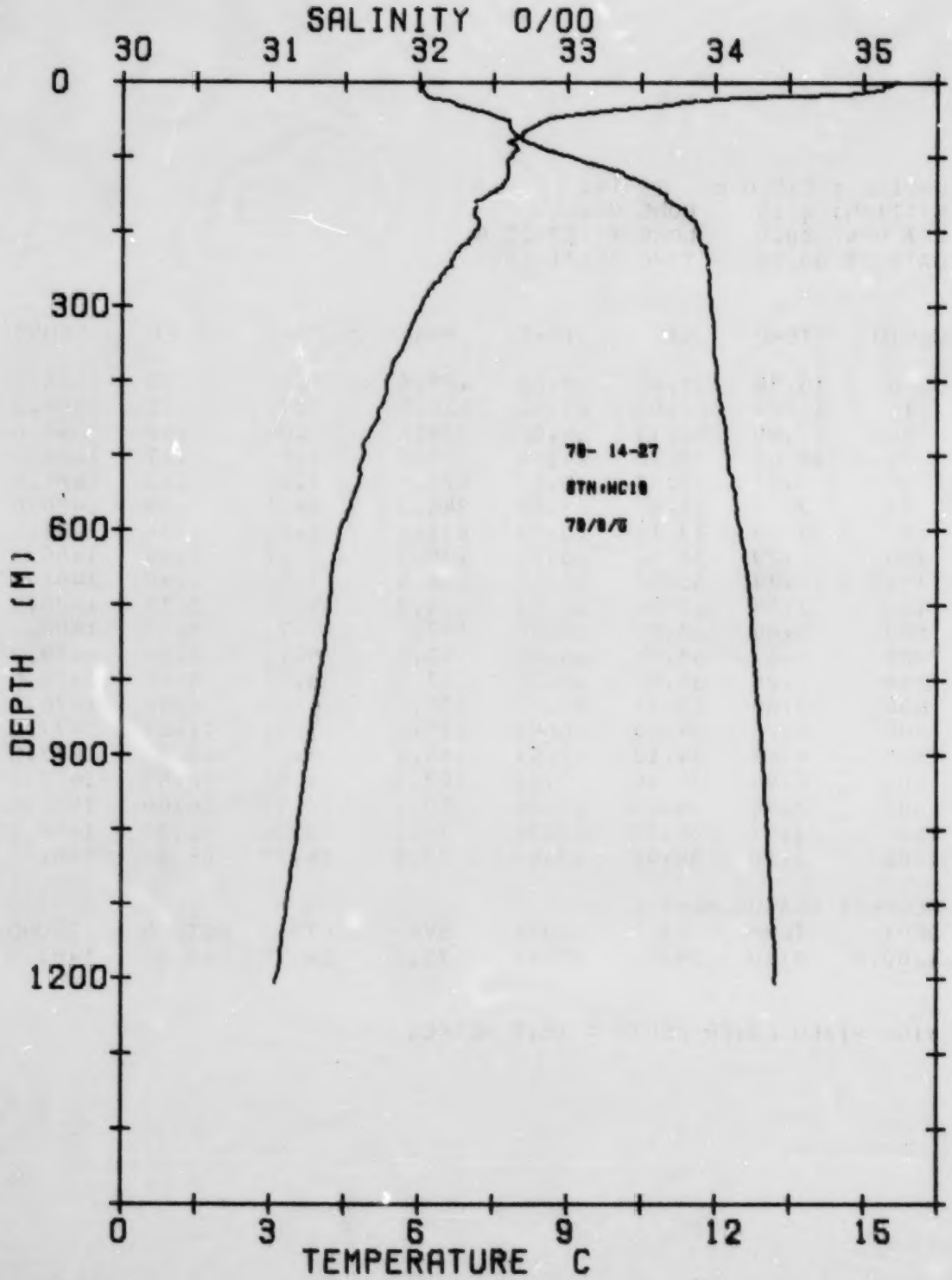
CRUISE : C.O.D.E. 79-14.
STATION: #C15 CONS #026
LAT N 48 30.0 LONG W 127 20.0
DATE 79/08/05 TIME (PST) 0857

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.38	32.03	23.62	427.8	.00	.00	1505.0
10	15.29	32.03	23.65	426.0	.43	.02	1504.8
20	13.60	32.13	24.08	384.8	.84	.08	1499.6
30	12.09	32.22	24.44	350.3	1.21	.17	1494.8
50	9.31	32.57	25.19	279.5	1.85	.43	1485.5
75	7.72	32.68	25.52	248.3	2.51	.84	1480.0
100	7.68	33.18	25.92	211.0	3.09	1.34	1481.0
125	7.29	33.56	26.27	178.3	3.57	1.88	1480.3
150	7.44	33.77	26.42	164.4	3.99	2.46	1481.6
175	7.04	33.84	26.53	154.3	4.39	3.11	1480.5
200	6.80	33.89	26.60	147.5	4.77	3.82	1480.0
225	6.47	33.91	26.66	142.1	5.13	4.59	1479.2
250	6.20	33.93	26.71	137.5	5.48	5.42	1478.5
300	5.60	33.94	26.79	130.2	6.15	7.26	1476.9
400	5.20	34.03	26.91	119.9	7.41	11.65	1477.1
500	4.88	34.12	27.01	110.6	8.56	16.82	1477.5
600	4.44	34.16	27.10	102.9	9.62	22.67	1477.4
800	3.95	34.29	27.25	90.1	11.55	36.08	1478.8
1000	3.47	34.37	27.36	79.8	13.24	51.33	1480.2
1200	3.10	34.42	27.44	73.2	14.77	68.05	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.10	34.42	27.44	73.2	14.77	68.06	1481.9

WIND MIXED LAYER DEPTH = 15.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-27
STN:NC18
78/8/6
0
3
6
9
12
15
TEMPERATURE C

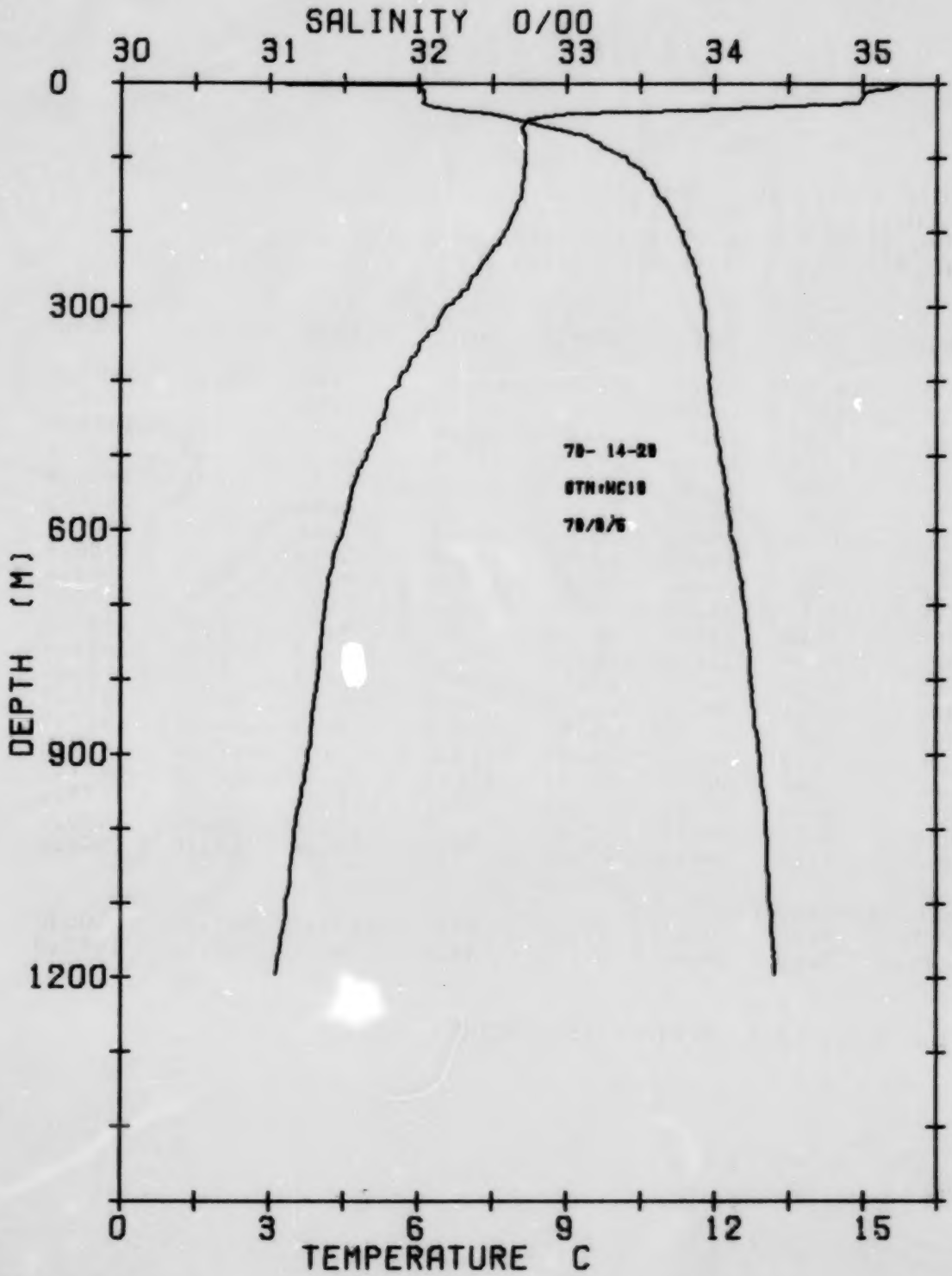
CRUISE : C.O.D.E. 79-14.
STATION: WC16 CONS #027
LAT N 48 35.5 LONG W 127 30.0
DATE 79/08/05 TIME (PST) 1126

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.72	32.03	23.55	434.6	.00	.00	1506.0
10	15.38	32.02	23.62	428.8	.43	.02	1505.1
20	12.48	32.06	24.24	369.6	.84	.08	1495.8
30	11.13	32.25	24.64	331.9	1.18	.17	1491.4
50	8.60	32.59	25.32	266.9	1.77	.40	1482.9
75	7.94	32.69	25.50	250.4	2.41	.80	1480.9
100	7.85	33.03	25.77	224.7	3.01	1.33	1481.4
125	7.81	33.40	26.07	196.8	3.53	1.91	1482.1
150	7.42	33.66	26.33	172.2	4.00	2.54	1481.4
175	7.10	33.80	26.49	158.1	4.41	3.21	1480.7
200	7.11	33.89	26.55	152.1	4.79	3.94	1481.3
225	6.78	33.93	26.63	145.1	5.17	4.73	1480.4
250	6.55	33.95	26.68	140.7	5.53	5.58	1480.0
300	6.03	33.97	26.76	133.2	6.21	7.46	1478.7
400	5.35	34.01	26.88	123.0	7.49	11.92	1477.7
500	4.89	34.09	26.99	113.1	8.67	17.22	1477.5
600	4.42	34.18	27.11	101.9	9.75	23.15	1477.3
800	4.00	34.28	27.24	91.0	11.66	36.52	1479.0
1000	3.56	34.36	27.34	81.9	13.38	51.96	1480.5
1200	3.12	34.40	27.42	74.6	14.94	69.10	1482.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.2	3.09	34.41	27.43	74.0	14.98	69.56	1482.0

WIND MIXED LAYER DEPTH = 15.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-28
STN:HC18
79/8/5
0
3
6
9
12
15
TEMPERATURE C

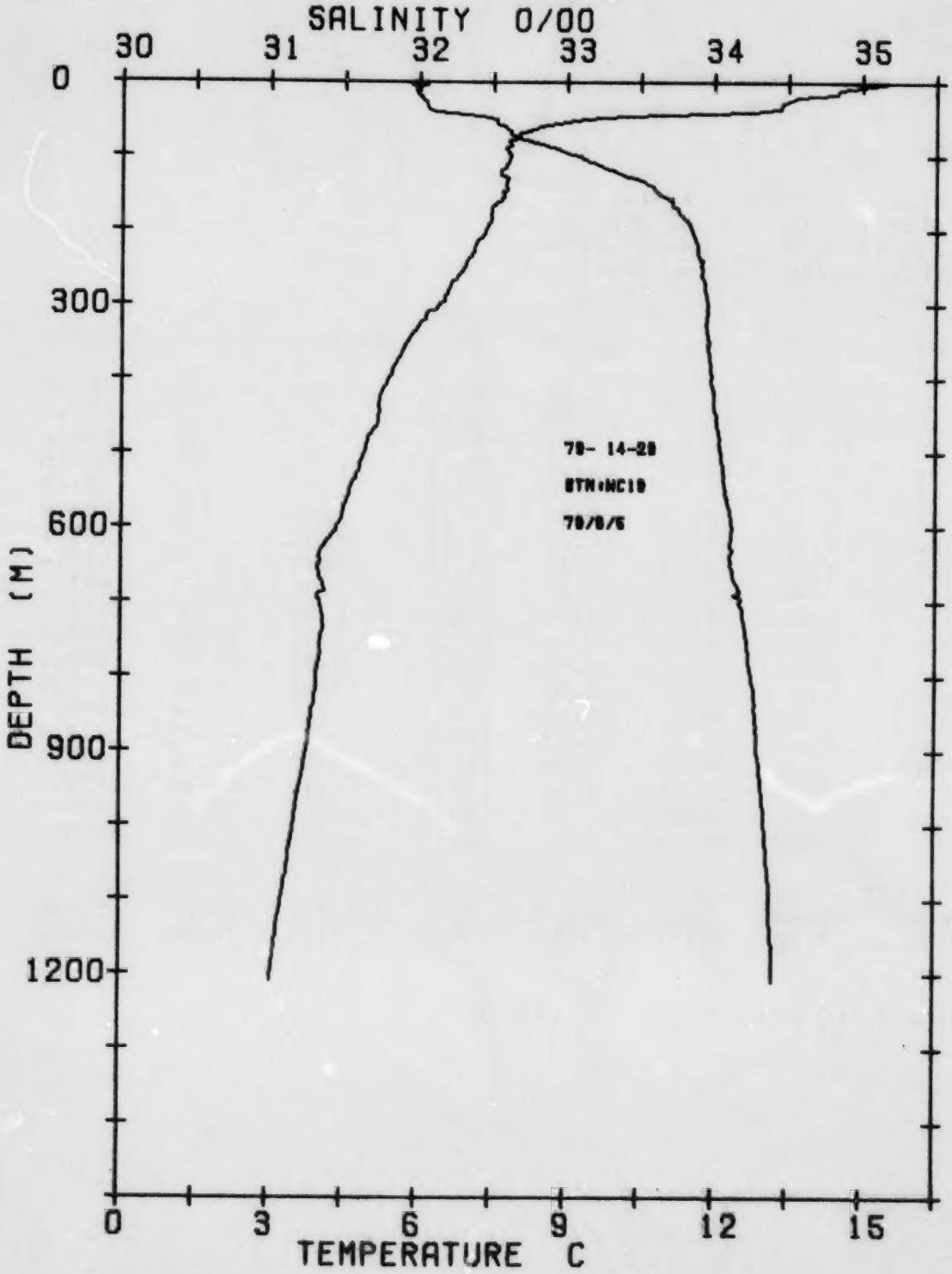
CRUISE : C.O.D.E. 79-14.
STATION: WC18 CONS #028
LAT N 48 42.0 LONG W 127 46.0
DATE 79/08/05 TIME (PST) 1416

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.69	31.15	22.88	498.5	.00	.00	1504.9
10	15.13	32.03	23.69	422.2	.44	.02	1504.3
20	14.99	32.04	23.72	419.5	.86	.08	1504.1
30	13.56	32.07	24.04	389.0	1.27	.19	1499.6
50	8.20	32.70	25.46	253.3	1.88	.42	1481.5
75	8.16	33.17	25.84	218.1	2.46	.78	1482.4
100	8.17	33.41	26.02	201.1	2.98	1.24	1483.1
125	8.13	33.53	26.13	191.6	3.48	1.79	1483.6
150	8.08	33.62	26.21	184.5	3.94	2.44	1483.9
175	7.93	33.71	26.30	176.4	4.39	3.17	1483.8
200	7.75	33.78	26.37	169.4	4.83	3.98	1483.6
225	7.49	33.82	26.45	162.7	5.24	4.86	1483.1
250	7.24	33.87	26.52	155.9	5.64	5.80	1482.6
300	6.58	33.93	26.66	143.3	6.39	7.86	1480.9
400	5.61	33.96	26.81	129.8	7.75	12.62	1478.7
500	4.98	34.04	26.94	117.6	8.98	18.16	1477.8
600	4.50	34.11	27.05	107.7	10.10	24.30	1477.6
800	3.98	34.24	27.21	93.4	12.07	38.04	1478.8
1000	3.52	34.35	27.34	81.8	13.82	53.74	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1195.1	3.13	34.41	27.43	74.0	15.35	70.49	1482.0

WIND MIXED LAYER DEPTH = 25.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-28
STN:NC19
79/8/5
0
3
6
9
12
15
TEMPERATURE C

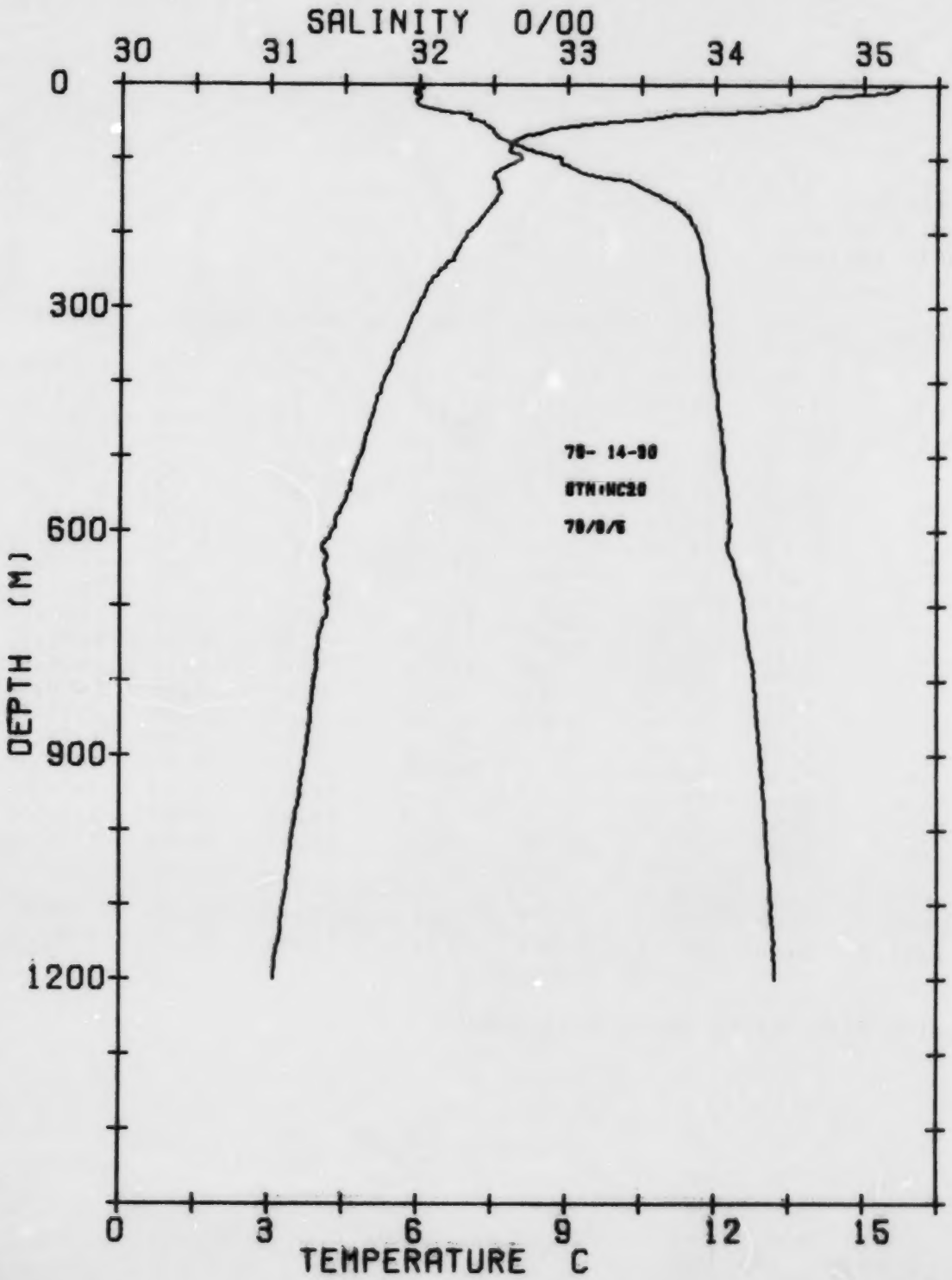
CRUISE : C.O.D.E. 79-14.
STATION: WC19 CONS #029
LAT N 48 48.0 LONG W 127 37.5
DATE 79/08/05 TIME (PST) 1702

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.51	31.97	23.56	434.3	.00	.00	1505.3
10	14.56	31.97	23.76	415.2	.42	.02	1502.4
20	13.77	32.01	23.95	397.2	.83	.08	1500.0
30	13.38	32.05	24.06	386.7	1.22	.18	1499.0
50	9.41	32.52	25.13	284.7	1.92	.46	1485.8
75	8.04	32.68	25.47	253.0	2.59	.87	1481.3
100	7.86	33.08	25.81	220.8	3.18	1.38	1481.5
125	7.64	33.39	26.09	195.2	3.70	1.97	1481.5
150	7.69	33.62	26.26	179.4	4.16	2.61	1482.3
175	7.47	33.76	26.40	166.2	4.59	3.30	1482.1
200	7.35	33.85	26.49	158.1	5.00	4.06	1482.2
225	7.12	33.89	26.55	152.7	5.39	4.88	1481.7
250	6.94	33.92	26.60	148.4	5.76	5.78	1481.4
300	6.41	33.96	26.71	138.7	6.48	7.75	1480.2
400	5.41	33.98	26.85	125.8	7.80	12.35	1477.8
500	4.91	34.05	26.96	116.2	9.01	17.80	1477.5
600	4.36	34.13	27.08	104.8	10.12	23.89	1477.0
800	3.97	34.26	27.23	91.8	12.09	37.62	1478.8
1000	3.52	34.35	27.34	81.7	13.82	53.22	1480.4
1200	3.07	34.41	27.44	73.5	15.37	70.17	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1210.2	3.06	34.41	27.44	73.3	15.44	71.08	1481.9

WIND MIXED LAYER DEPTH = 35.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

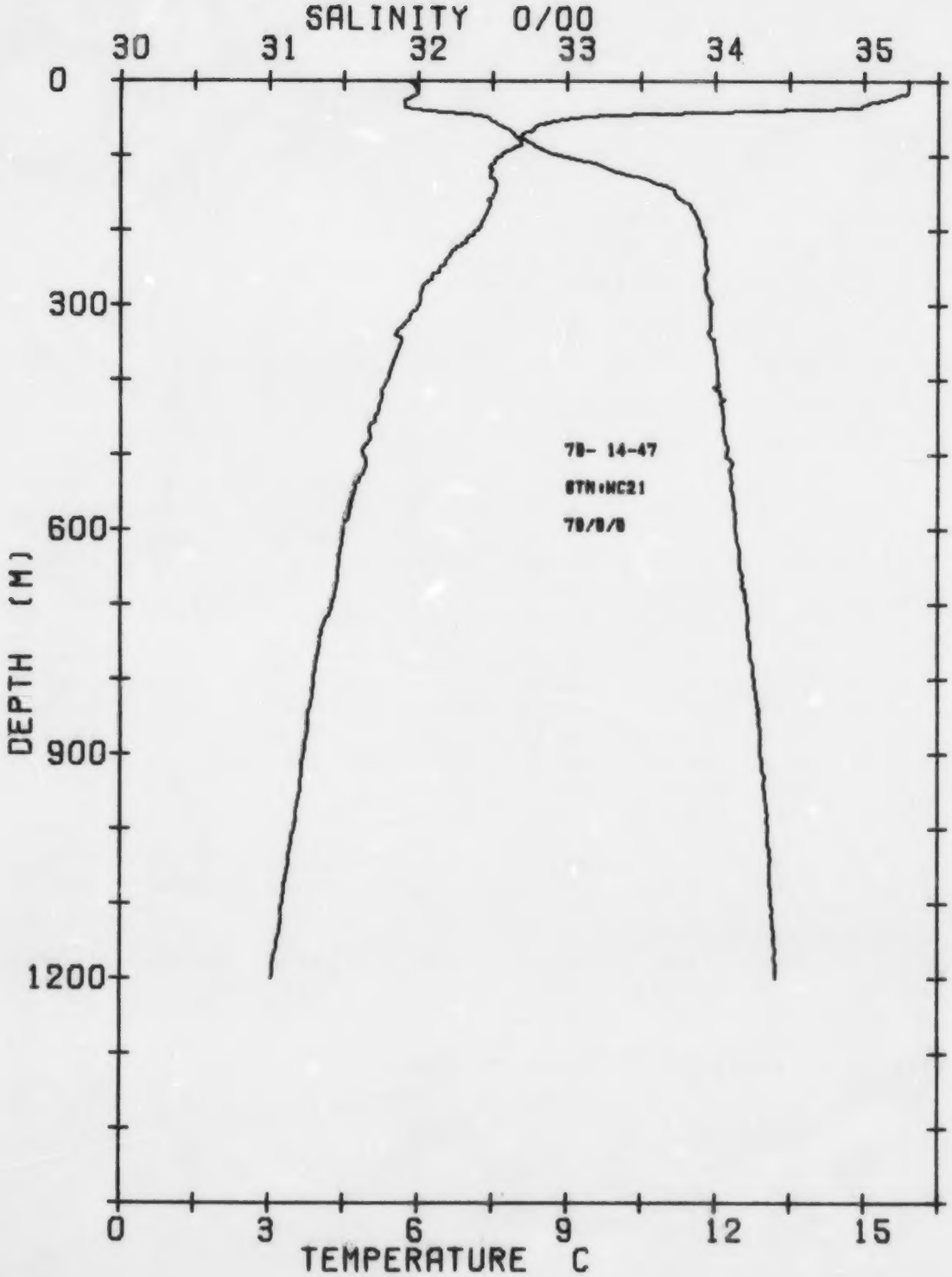
CRUISE : C.O.D.E. 79-14.
STATION: WC20 CONS #030
LAT N 48 53.5 LONG W 127 29.0
DATE 79/08/05 TIME (PST) 1935

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.75	32.01	23.53	436.6	.00	.00	1506.1
10	15.48	31.96	23.55	434.8	.44	.02	1505.4
20	14.13	31.98	23.86	405.9	.85	.08	1501.2
30	13.89	32.03	23.94	398.4	1.25	.18	1500.6
50	9.97	32.43	24.97	300.2	1.93	.45	1487.8
75	7.95	32.59	25.41	258.6	2.62	.88	1480.8
100	8.06	32.96	25.69	232.9	3.24	1.42	1482.1
125	7.50	33.26	26.00	203.1	3.79	2.04	1480.8
150	7.58	33.63	26.28	177.0	4.26	2.68	1482.0
175	7.31	33.81	26.46	160.4	4.68	3.37	1481.6
200	6.98	33.86	26.57	150.9	5.07	4.10	1480.7
225	6.76	33.91	26.62	146.0	5.44	4.88	1480.3
250	6.43	33.94	26.69	139.9	5.80	5.73	1479.5
300	5.96	33.97	26.77	132.5	6.48	7.60	1478.4
400	5.27	34.00	26.88	122.7	7.76	12.07	1477.3
500	4.84	34.06	26.97	114.5	8.94	17.38	1477.2
600	4.26	34.10	27.07	105.9	10.04	23.40	1476.5
800	3.91	34.27	27.24	90.6	12.00	37.08	1478.6
1000	3.49	34.35	27.34	81.6	13.72	52.59	1480.2
1200	3.09	34.41	27.43	73.8	15.28	69.62	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.09	34.41	27.43	73.8	15.28	69.62	1481.9

WIND MIXED LAYER DEPTH = 30.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-47
STN:NC21
78/8/8
0
3
6
9
12
15
TEMPERATURE C

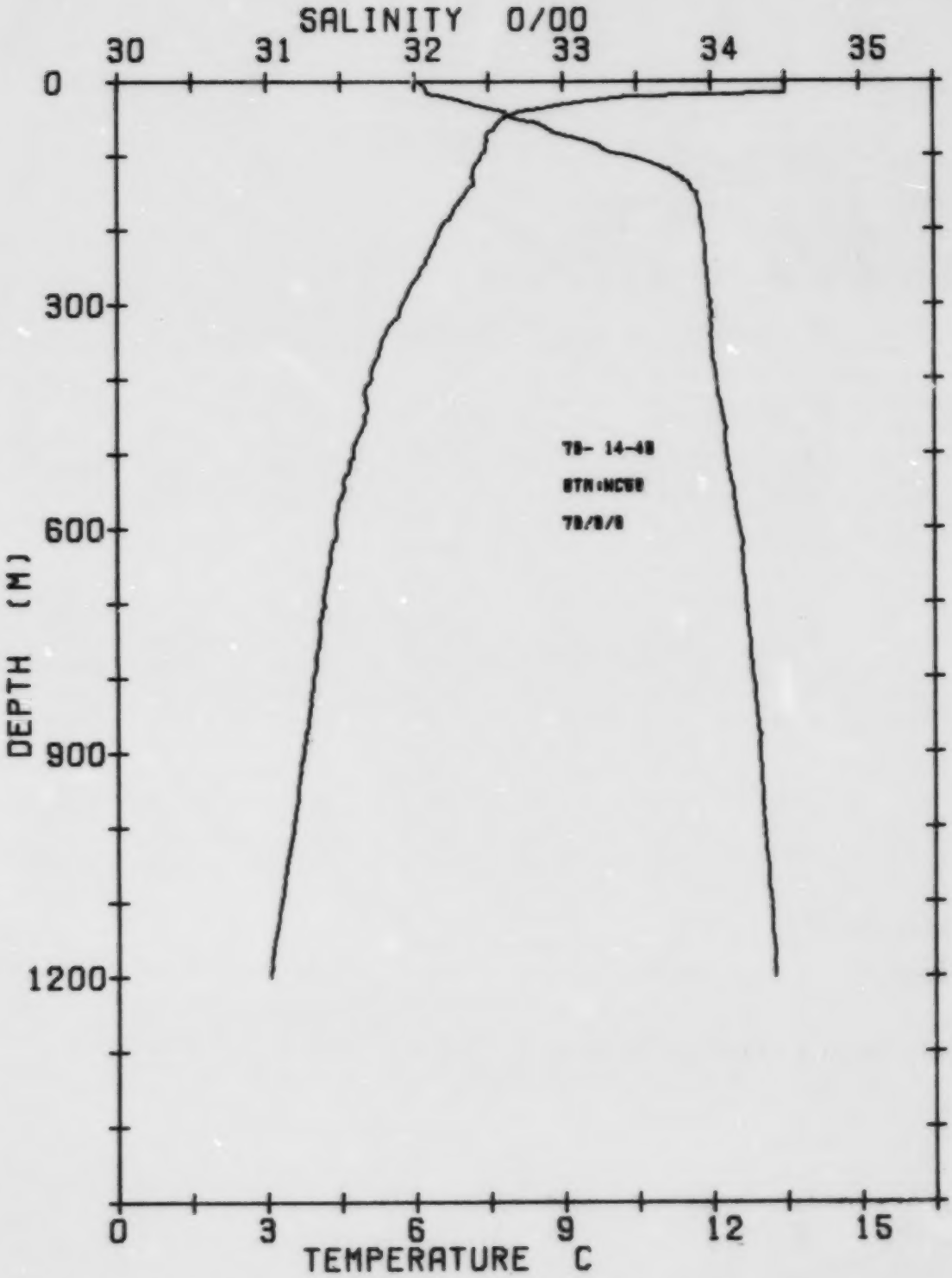
CRUISE : C.O.D.E. 79-14.
STATION: WC21 CONS #047
LAT N 48 59.0 LONG W 127 19.5
DATE 79/08/06 TIME (PST) 1821

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.89	31.94	23.45	444.5	.00	.00	1506.4
10	15.91	31.99	23.48	441.7	.44	.02	1506.7
20	15.68	31.96	23.51	439.6	.88	.09	1506.2
30	15.06	31.91	23.60	430.7	1.32	.20	1504.3
50	9.14	32.48	25.15	283.6	2.05	.48	1484.8
75	8.06	32.67	25.46	254.2	2.72	.90	1481.4
100	7.69	32.96	25.74	228.0	3.32	1.43	1480.7
125	7.44	33.41	26.13	190.8	3.84	2.01	1480.7
150	7.55	33.73	26.36	169.4	4.28	2.62	1482.0
175	7.42	33.86	26.49	158.2	4.69	3.28	1482.0
200	7.20	33.91	26.56	151.7	5.08	4.00	1481.7
225	6.74	33.93	26.63	144.7	5.45	4.79	1480.3
250	6.45	33.95	26.69	139.8	5.80	5.63	1479.6
300	6.03	33.97	26.76	133.6	6.49	7.51	1478.7
400	5.39	34.02	26.88	122.6	7.76	11.97	1477.8
500	4.88	34.07	26.98	113.8	8.94	17.26	1477.4
600	4.51	34.14	27.07	105.4	10.03	23.26	1477.6
800	3.90	34.27	27.24	90.8	12.00	36.94	1478.5
1000	3.50	34.36	27.35	80.9	13.71	52.33	1480.3
1200	3.04	34.41	27.44	73.3	15.25	69.27	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.04	34.41	27.44	73.3	15.25	69.27	1481.7

WIND MIXED LAYER DEPTH = 33.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

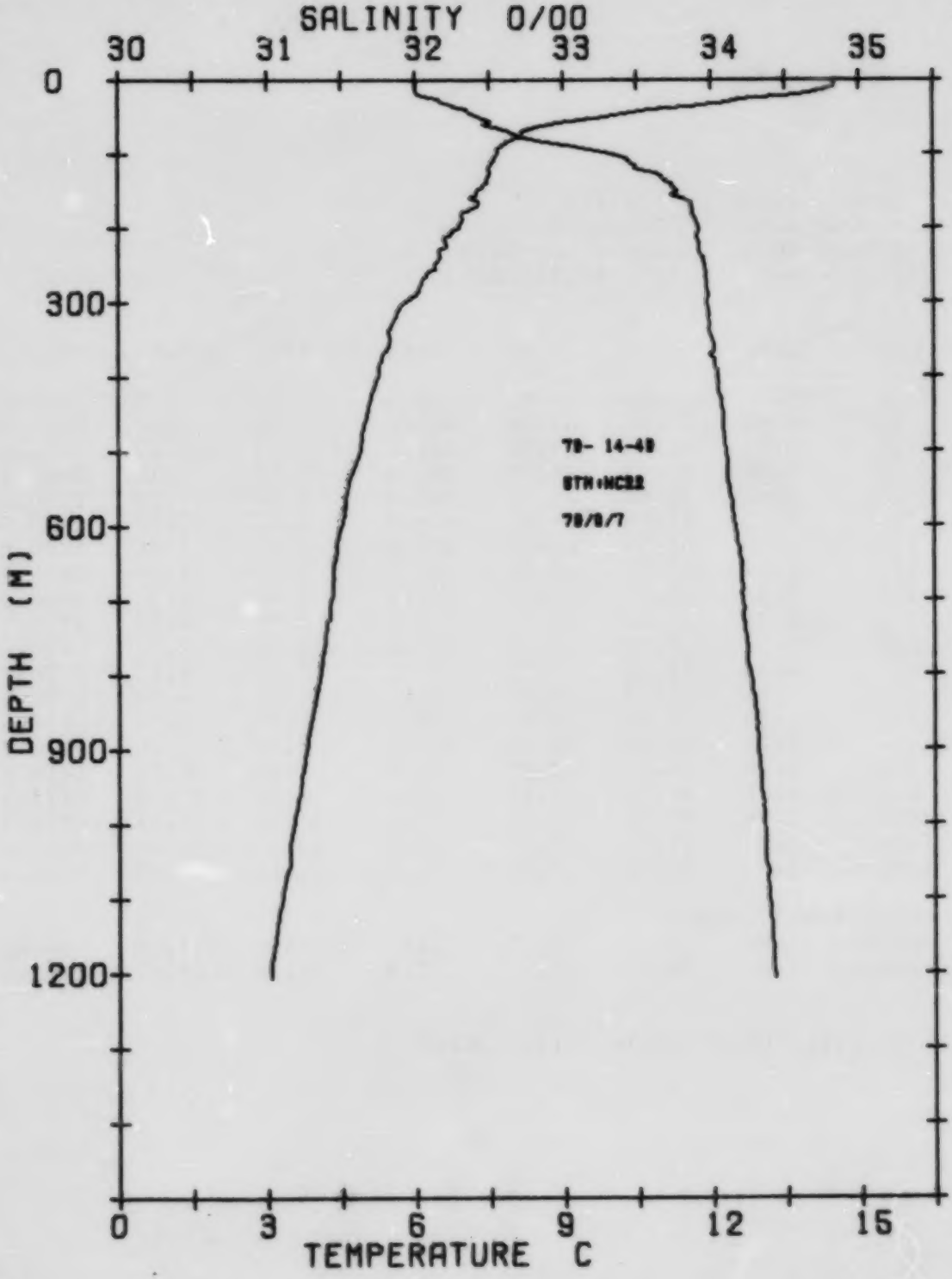
CRUISE : C.O.D.E. 79-14.
STATION: WC58 CONS #048
LAT N 48 48.5 LONG W 126 52.5
DATE 79/08/06 TIME (PST) 2224

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.48	32.03	24.02	390.0	.00	.00	1498.8
10	13.49	32.08	24.06	386.6	.39	.02	1499.0
20	10.46	32.21	24.72	324.0	.76	.07	1488.8
30	9.06	32.39	25.09	288.8	1.06	.15	1484.1
50	7.80	32.68	25.51	248.9	1.59	.36	1480.0
75	7.45	33.09	25.88	214.4	2.17	.72	1479.5
100	7.36	33.45	26.17	186.8	2.67	1.16	1480.0
125	7.17	33.77	26.45	160.8	3.10	1.64	1480.2
150	7.06	33.90	26.57	150.1	3.49	2.17	1480.3
175	6.78	33.93	26.63	144.1	3.86	2.77	1479.6
200	6.51	33.95	26.68	139.5	4.21	3.44	1479.0
225	6.33	33.96	26.71	137.3	4.56	4.17	1478.7
250	6.16	33.97	26.74	134.5	4.90	4.98	1478.4
300	5.74	33.99	26.81	128.1	5.55	6.78	1477.6
400	5.12	34.03	26.92	118.8	6.79	11.09	1476.7
500	4.74	34.10	27.02	109.9	7.93	16.21	1476.9
600	4.41	34.19	27.13	100.4	8.98	21.98	1477.3
800	3.94	34.28	27.24	90.6	10.89	35.31	1478.7
1000	3.54	34.35	27.34	82.2	12.61	50.76	1480.4
1200	3.07	34.42	27.44	72.9	14.15	67.67	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.07	34.42	27.44	72.9	14.15	67.67	1481.8

*IND MIXED LAYER DEPTH = 14.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-49
STN:NC22
79/8/7
0
3
6
9
12
15
TEMPERATURE C

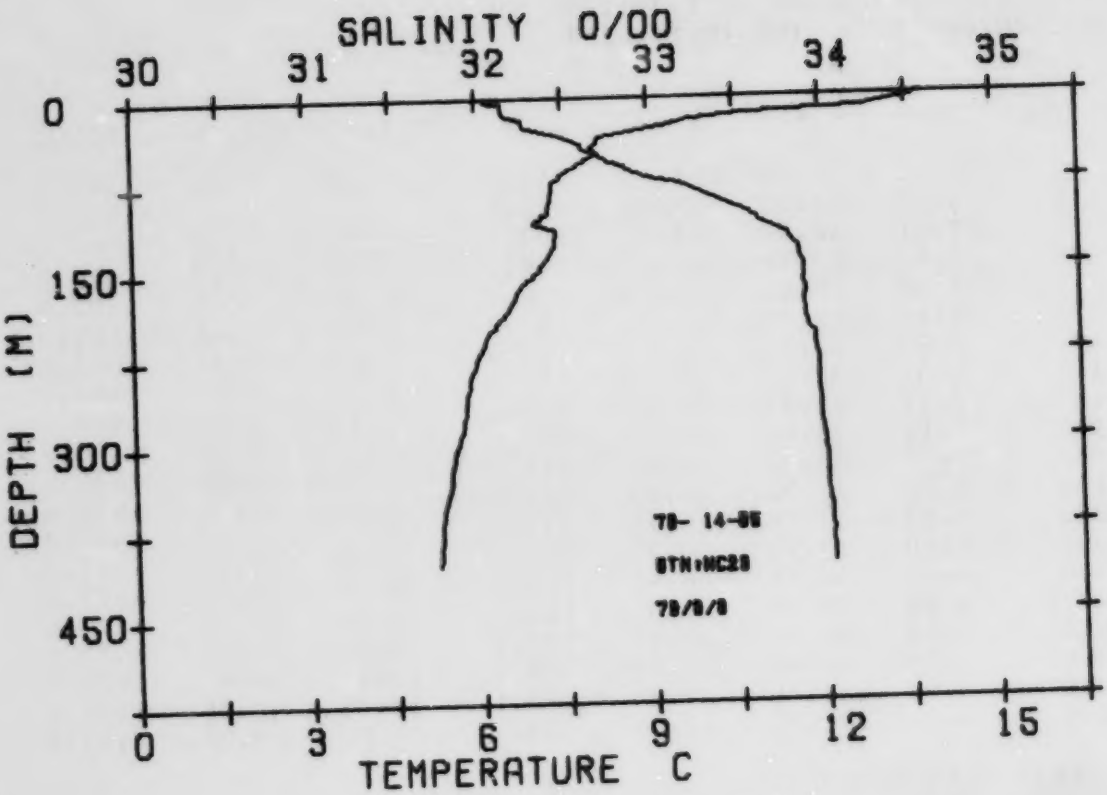
CRUISE : C.O.D.E. 79-14.
STATION: WC22 CONS #049
LAT N 49 04.5 LONG W 127 11.0
DATE 79/08/07 TIME (PST) 0307

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.51	32.01	23.80	411.2	.00	.00	1502.1
10	14.50	32.01	23.80	411.6	.41	.02	1502.3
20	13.81	32.02	23.95	397.1	.82	.08	1500.2
30	12.41	32.18	24.35	359.4	1.19	.17	1495.8
50	9.90	32.43	24.99	298.7	1.83	.43	1487.5
75	8.15	32.70	25.47	253.0	2.51	.85	1481.7
100	7.69	33.33	26.03	199.9	3.08	1.34	1481.2
125	7.51	33.63	26.29	175.8	3.55	1.87	1481.3
150	7.27	33.77	26.44	162.2	3.97	2.45	1480.9
175	7.12	33.88	26.54	152.8	4.37	3.09	1480.9
200	6.88	33.92	26.61	147.0	4.74	3.79	1480.4
225	6.62	33.92	26.65	143.4	5.10	4.56	1479.8
250	6.39	33.96	26.71	137.8	5.45	5.40	1479.3
300	5.80	33.97	26.79	130.1	6.12	7.24	1477.8
400	5.25	34.04	26.91	119.3	7.37	11.58	1477.3
500	4.88	34.10	27.00	111.7	8.52	16.75	1477.5
600	4.50	34.16	27.09	103.9	9.60	22.68	1477.6
800	4.08	34.26	27.22	93.4	11.57	36.45	1479.3
1000	3.55	34.35	27.34	82.1	13.31	52.08	1480.5
1200	3.06	34.42	27.44	73.0	14.86	69.08	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.2	3.06	34.42	27.44	72.6	14.89	69.53	1481.8

WIND MIXED LAYER DEPTH = 20.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

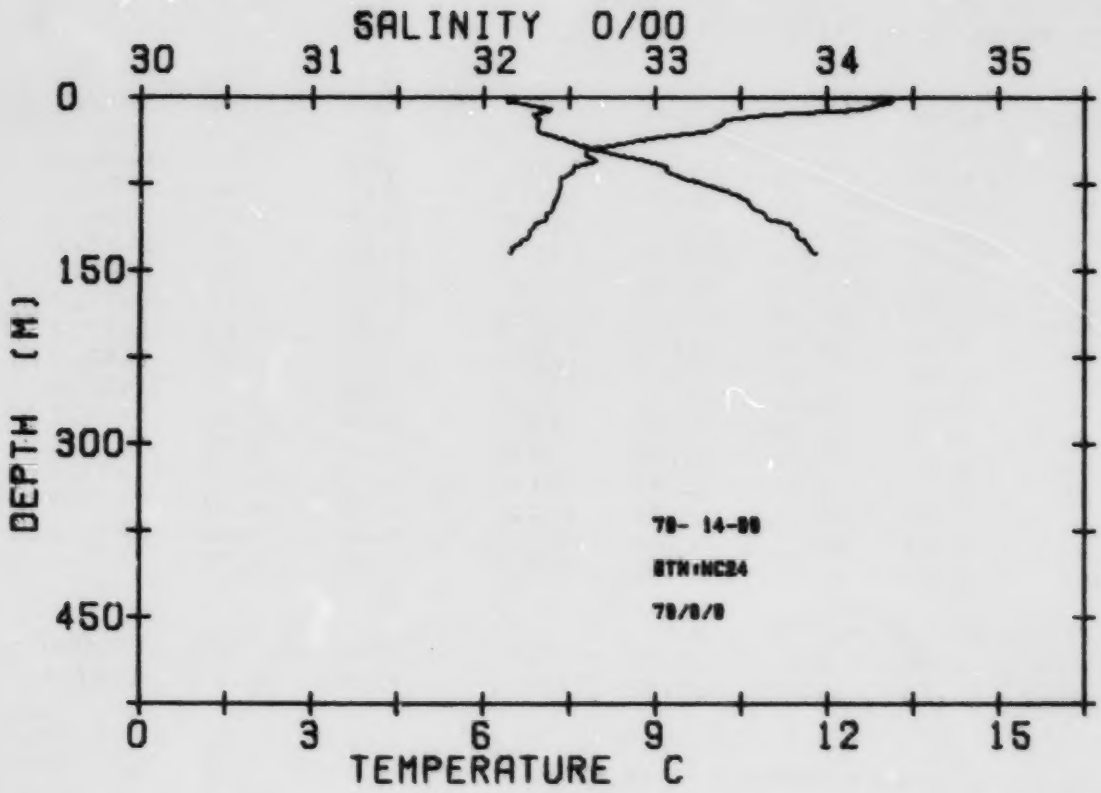
CRUISE : C.O.D.E. 79-14.
STATION: WC23 CONS #065
LAT N 49 10.0 LONG W 127 02.0
DATE 79/08/08 TIME (PST) 0437

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.79	32.05	23.97	394.3	.00	.00	1499.8
10	12.78	32.16	24.26	367.3	.38	.02	1496.7
20	9.81	32.27	24.88	308.8	.72	.07	1486.5
30	8.74	32.40	25.15	283.3	1.01	.14	1482.9
50	8.10	32.71	25.49	251.1	1.54	.35	1481.1
75	7.34	33.19	25.97	205.1	2.12	.71	1479.2
100	7.24	33.59	26.30	174.8	2.59	1.13	1479.8
125	7.35	33.83	26.47	158.6	3.01	1.59	1480.9
150	7.08	33.90	26.56	150.3	3.39	2.12	1480.4
175	6.67	33.90	26.62	144.8	3.76	2.72	1479.1
200	6.30	33.92	26.68	139.3	4.11	3.38	1478.1
225	6.01	33.98	26.77	131.6	4.45	4.09	1477.4
250	5.85	33.98	26.79	129.5	4.78	4.87	1477.2
300	5.63	34.01	26.84	125.6	5.41	6.62	1477.2
400	5.28	34.05	26.92	119.2	6.63	10.88	1477.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
405.2	5.26	34.05	26.92	119.1	6.69	11.13	1477.4

WIND MIXED LAYER DEPTH = 4.2 METRES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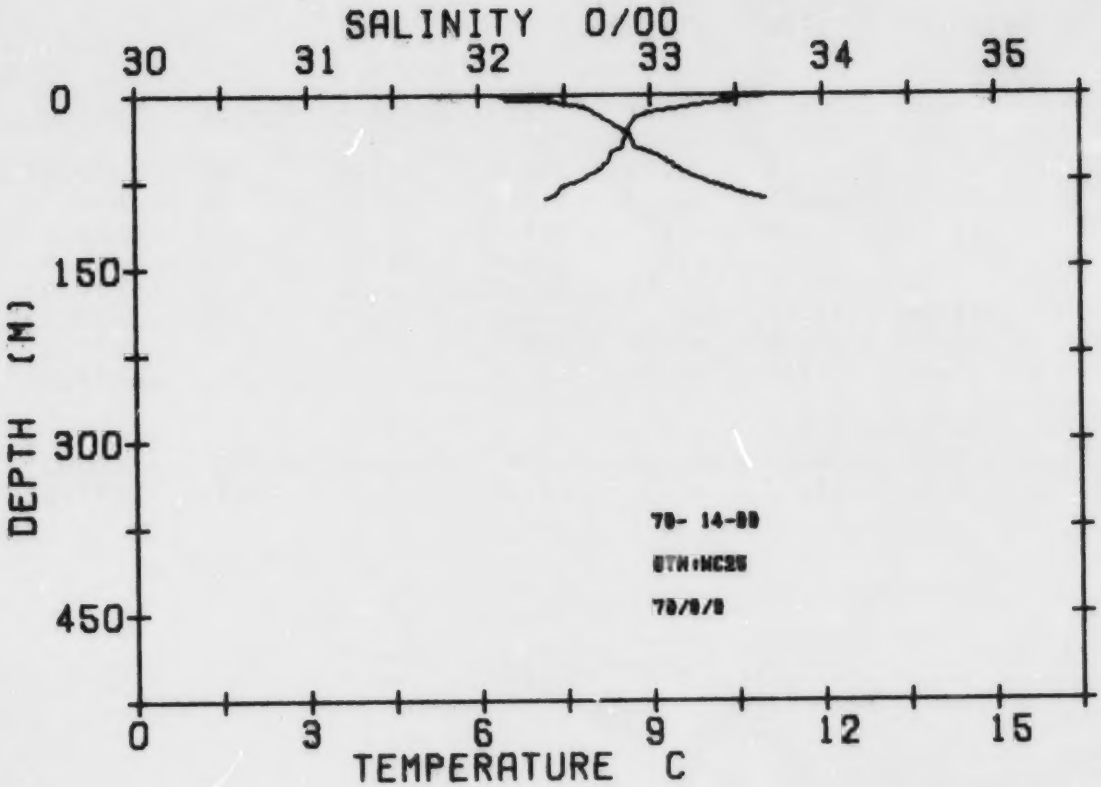
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-88
STN:NC24
78/8/8
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC24 CONS #098
LAT N 49 15.5 LONG W 126 53.0
DATE 79/08/09 TIME (PST) 0250

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.03	32.14	24.20	372.9	.00	.00	1497.4
10	12.57	32.39	24.48	346.1	.37	.02	1496.3
20	10.21	32.32	24.85	311.1	.69	.07	1488.0
30	9.84	32.32	24.91	305.8	1.00	.14	1486.9
50	7.76	32.76	25.58	242.6	1.54	.36	1479.9
75	7.36	33.28	26.04	198.8	2.09	.70	1479.4
100	7.11	33.64	26.36	168.9	2.54	1.09	1479.3
125	6.67	33.86	26.59	147.0	2.94	1.53	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.3	6.44	33.93	26.67	139.7	3.08	1.72	1477.6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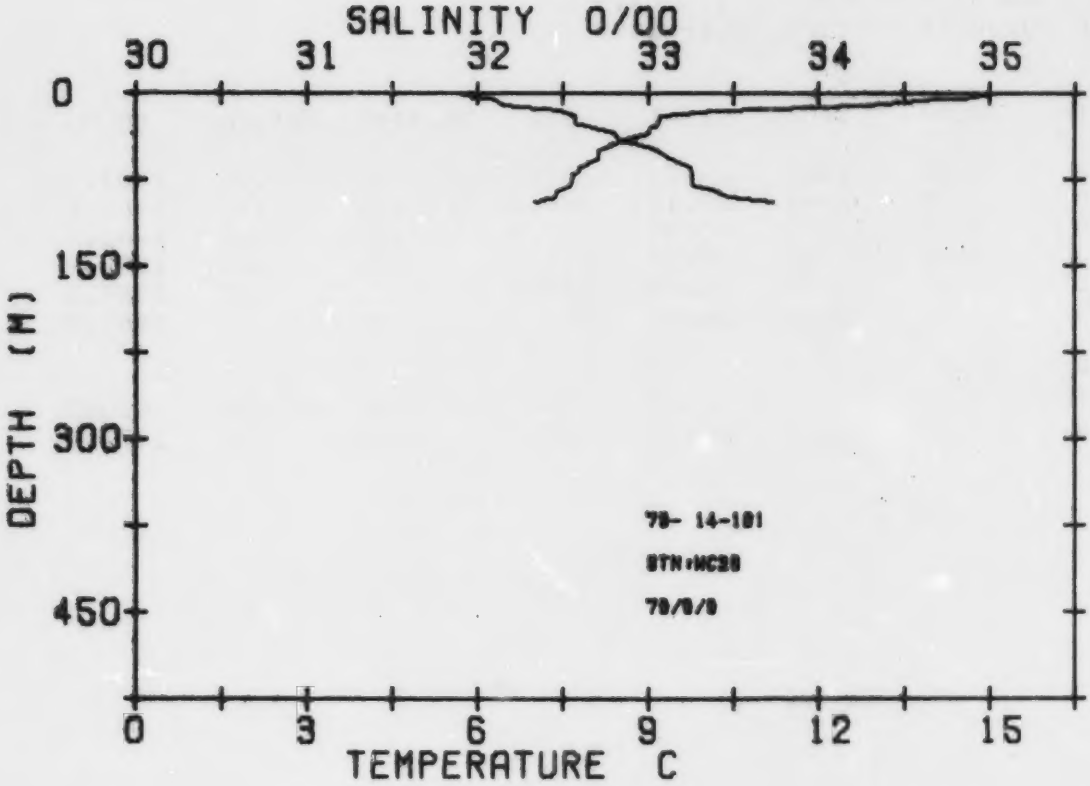
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC25 CONS #099
LAT N 49 21.5 LONG W 126 44.5
DATE 79/08/09 TIME (PST) 0400

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.36	31.88	24.31	362.2	.00	.00	1491.3
10	9.61	32.61	25.18	280.0	.31	.01	1486.1
20	8.73	32.72	25.40	258.9	.57	.05	1483.1
30	8.59	32.84	25.52	248.2	.83	.12	1482.9
50	8.31	33.00	25.68	232.4	1.31	.31	1482.3
75	7.71	33.33	26.03	200.0	1.86	.65	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	7.18	33.67	26.37	167.8	2.13	.88	1479.5

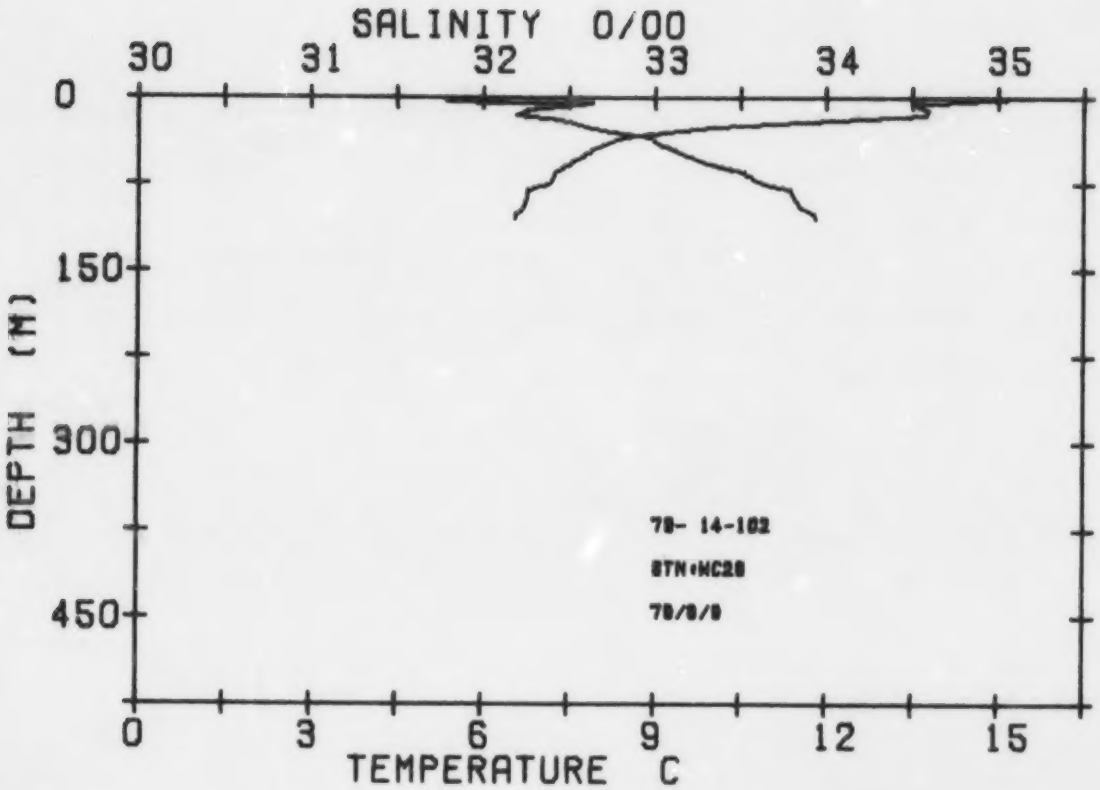

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-181
STN:MC28
78/8/8
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC26 CONS #101
LAT N 49 30.5 LONG W 126 51.1
DATE 79/08/09 TIME (PST) 1129

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.09	31.89	23.58	431.8	.00	.00	1503.9
10	12.78	32.15	24.25	367.9	.40	.02	1496.7
20	9.22	32.56	25.20	277.7	.71	.06	1484.7
30	9.05	32.69	25.33	266.0	.99	.13	1484.4
50	8.12	33.05	25.75	226.2	1.48	.33	1481.7
75	7.64	33.26	25.98	204.4	2.01	.66	1480.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
95.1	7.01	33.74	26.45	160.4	2.39	.98	1479.0

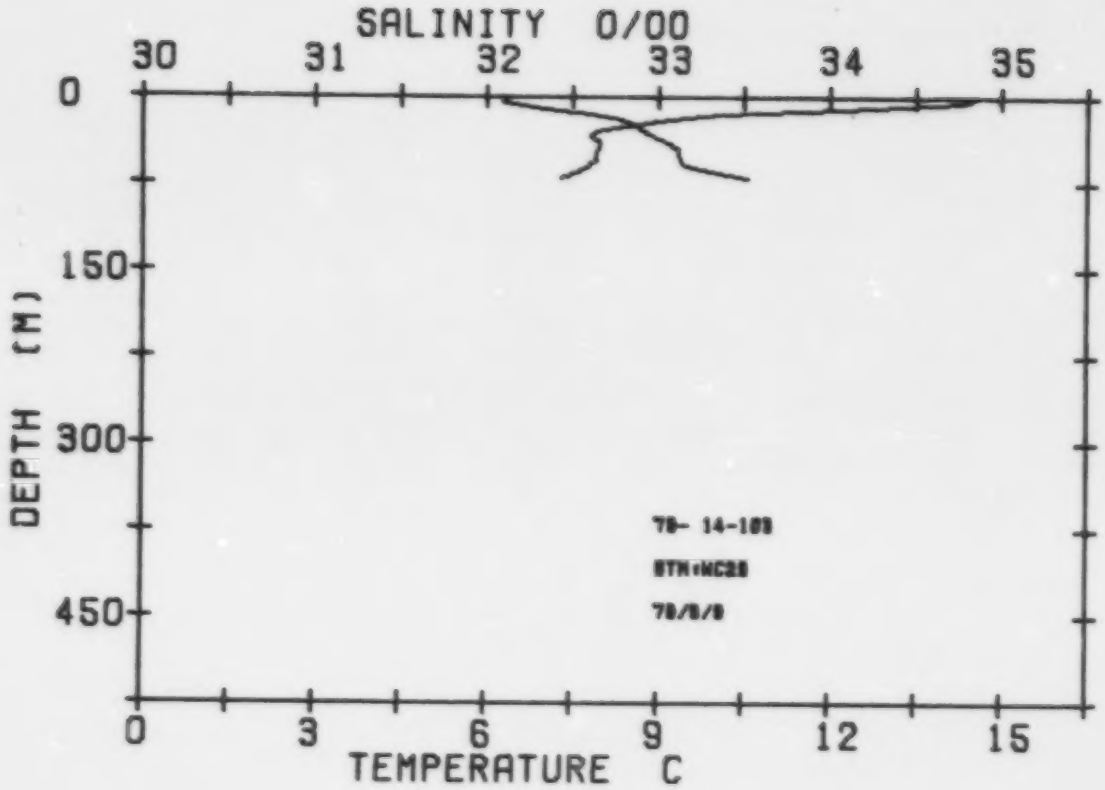

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-102
STN:HC28
78/8/8
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC28 CONS #102
LAT N 49 40.5 LONG W 127 11.0
DATE 79/08/09 TIME (PST) 1236

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.59	31.50	23.19	469.5	.00	.00	1505.0
10	13.77	32.26	24.14	378.6	.39	.02	1500.2
20	12.16	32.45	24.61	334.5	.76	.07	1495.1
30	9.17	32.75	25.35	263.5	1.05	.15	1484.9
50	7.76	33.17	25.89	212.4	1.51	.33	1480.4
75	7.10	33.64	26.36	168.9	1.98	.62	1478.9
100	6.57	33.93	26.66	140.4	2.36	.95	1477.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
105.3	6.55	33.94	26.67	139.8	2.43	1.03	1477.6

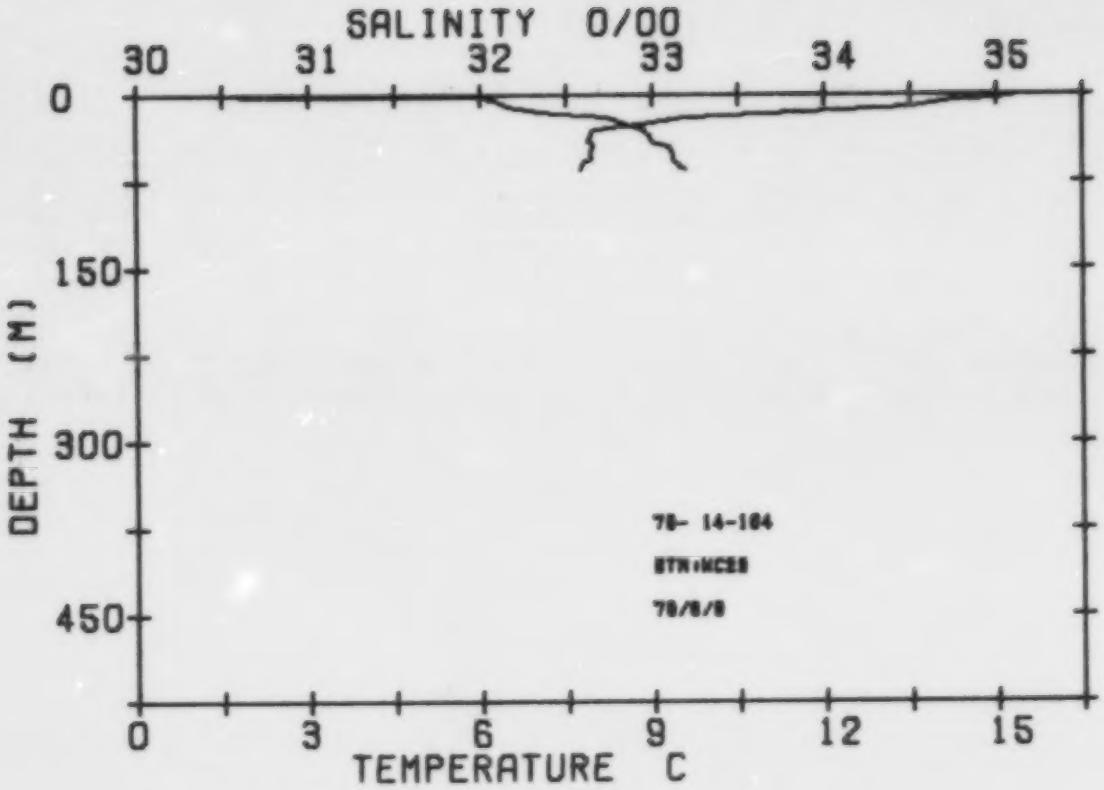

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.U.E. 79-14.
STATION: WC29 CONS #103
LAT N 49 46.0 LONG W 127 20.0
DATE 79/08/09 TIME (PST) 1339

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.59	32.09	23.84	406.7	.00	.00	1502.5
10	12.34	32.33	24.48	346.7	.39	.02	1495.4
20	9.26	32.78	25.37	262.0	.69	.06	1485.1
30	7.93	32.92	25.68	232.5	.93	.12	1480.4
50	7.93	33.12	25.83	218.4	1.38	.30	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
70.1	7.28	33.52	26.24	179.8	1.80	.55	1479.3

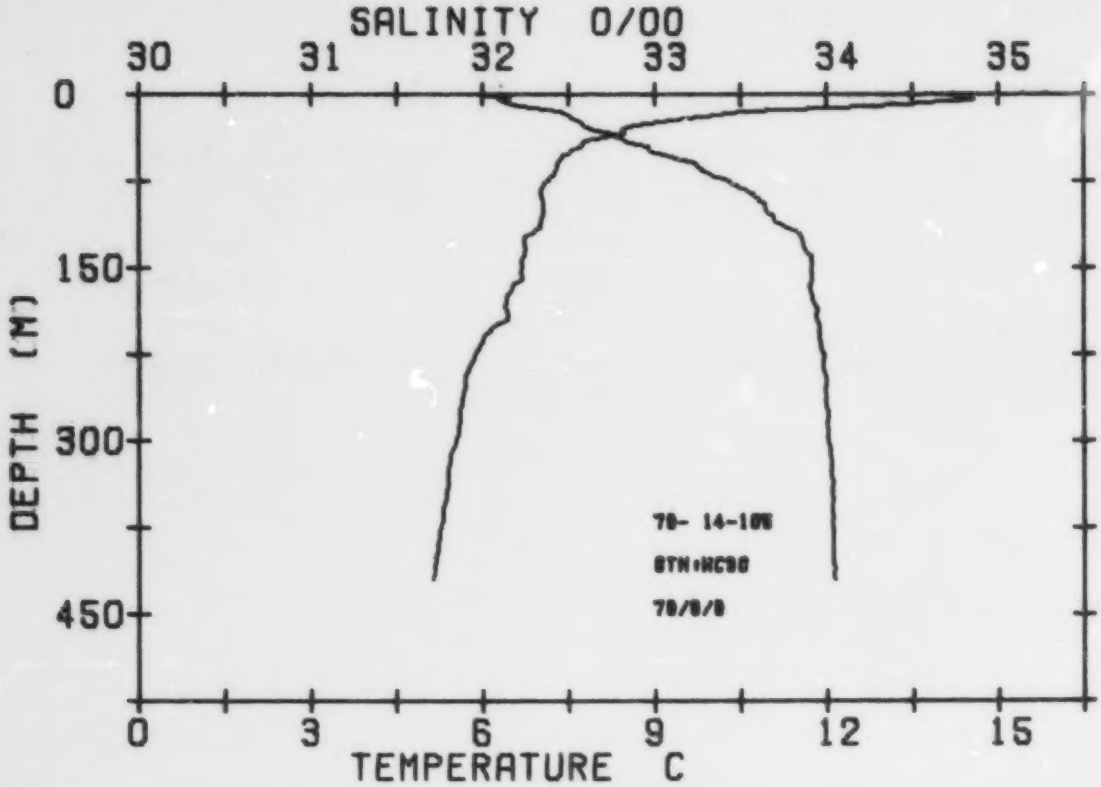

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: #C29 CONS #104
LAT N 49 46.0 LONG W 127 20.0
DATE 79/08/09 TIME (PST) 1346

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.32	29.14	21.43	637.8	.00	.00	1501.3
10	13.56	32.17	24.11	381.4	.42	.02	1499.4
20	9.60	32.73	25.27	270.9	.75	.07	1486.4
30	8.04	32.95	25.69	231.8	1.00	.13	1480.9
50	7.93	33.12	25.83	218.6	1.45	.31	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
65.0	7.75	33.19	25.91	211.1	1.77	.50	1480.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

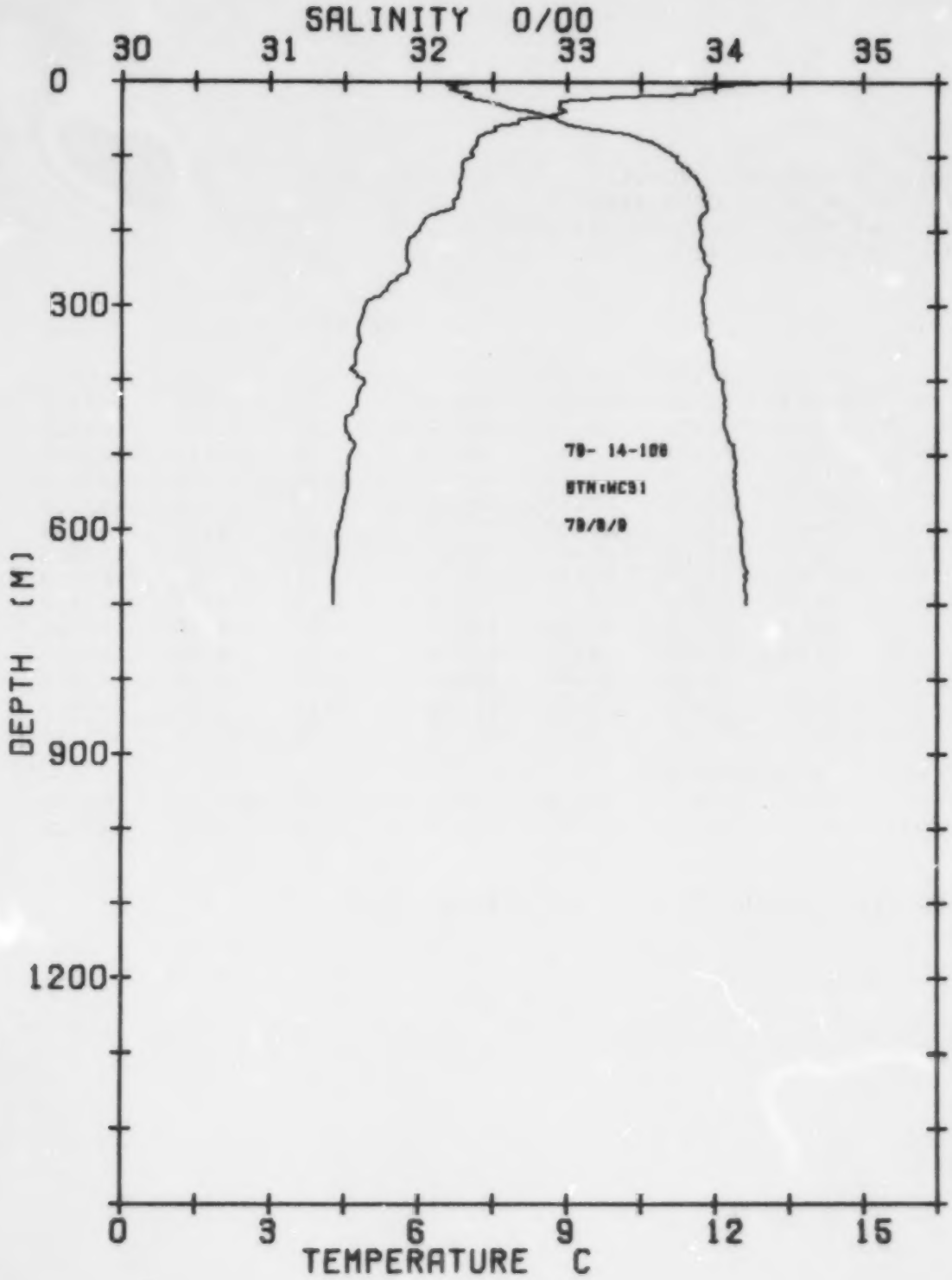
CRUISE : C.O.D.E. 79-14.
STATION: WC30 CONS #105
LAT N 49 40.5 LONG W 127 29.0
DATE 79/08/09 TIME (PST) 1455

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.15	32.01	23.87	403.9	.00	.00	1501.0
10	12.83	32.21	24.29	364.2	.39	.02	1497.0
20	9.85	32.51	25.06	291.8	.71	.07	1487.0
30	8.45	32.62	25.36	262.5	.98	.13	1482.0
50	7.54	32.98	25.78	223.4	1.47	.32	1479.3
75	7.15	33.44	26.20	184.1	1.97	.64	1478.8
100	7.05	33.65	26.37	167.6	2.40	1.02	1479.1
125	6.71	33.86	26.58	148.1	2.80	1.46	1478.5
150	6.68	33.91	26.63	143.9	3.16	1.96	1478.8
175	6.43	33.92	26.67	140.8	3.52	2.54	1478.2
200	6.23	33.96	26.73	135.2	3.87	3.19	1477.9
225	5.88	33.99	26.79	129.4	4.20	3.90	1476.9
250	5.69	34.00	26.82	126.5	4.52	4.66	1476.6
300	5.56	34.01	26.85	124.6	5.15	6.38	1476.9
400	5.19	34.04	26.92	118.8	6.36	10.61	1477.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
420.2	5.13	34.05	26.93	117.5	6.60	11.59	1477.1

WIND MIXED LAYER DEPTH = 4.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-106
STN:WCS1
79/8/9
0
3
6
9
12
15
TEMPERATURE C

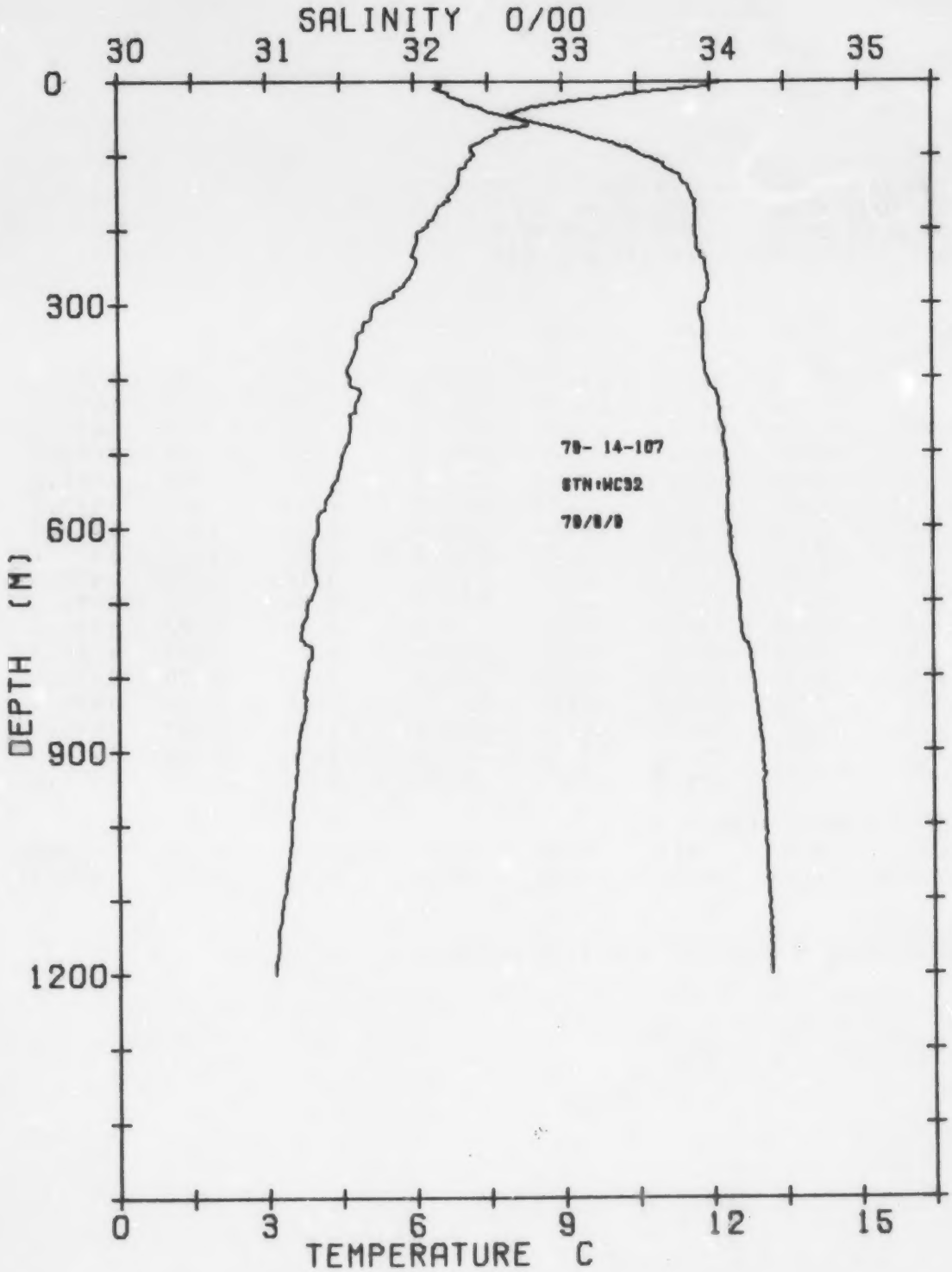
CRUISE : C.O.D.E. 79-14.
STATION: WC31 CONS #106
LAT N 49 34.5 LONG W 127 38.0
DATE 79/08/09 TIME (PST) 1634

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.99	32.33	24.35	358.1	.00	.00	1497.5
10	11.60	32.21	24.52	342.6	.35	.02	1492.7
20	10.09	32.31	24.86	310.1	.68	.07	1487.6
30	8.84	32.53	25.24	274.5	.97	.14	1483.4
50	8.04	32.93	25.67	233.9	1.48	.34	1481.2
75	7.20	33.49	26.23	181.0	2.00	.67	1479.1
100	7.11	33.74	26.43	161.8	2.43	1.04	1479.4
125	6.88	33.86	26.56	150.3	2.82	1.47	1479.1
150	6.80	33.93	26.63	144.1	3.18	1.98	1479.3
175	6.38	33.92	26.68	139.6	3.54	2.56	1478.0
200	5.99	33.91	26.72	135.8	3.89	3.20	1476.9
225	5.76	33.92	26.75	132.8	4.22	3.92	1476.3
250	5.79	33.96	26.78	130.3	4.55	4.70	1476.9
300	4.91	33.92	26.85	123.6	5.19	6.46	1474.1
400	4.89	34.05	26.96	114.4	6.38	10.62	1475.8
500	4.63	34.13	27.06	106.4	7.49	15.60	1476.5
600	4.37	34.17	27.11	101.6	8.54	21.34	1477.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
700.2	4.25	34.21	27.15	98.6	9.53	27.82	1478.3

WIND MIXED LAYER DEPTH = 11.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-107
STN:WC32
79/8/9
0
3
6
9
12
15
TEMPERATURE C

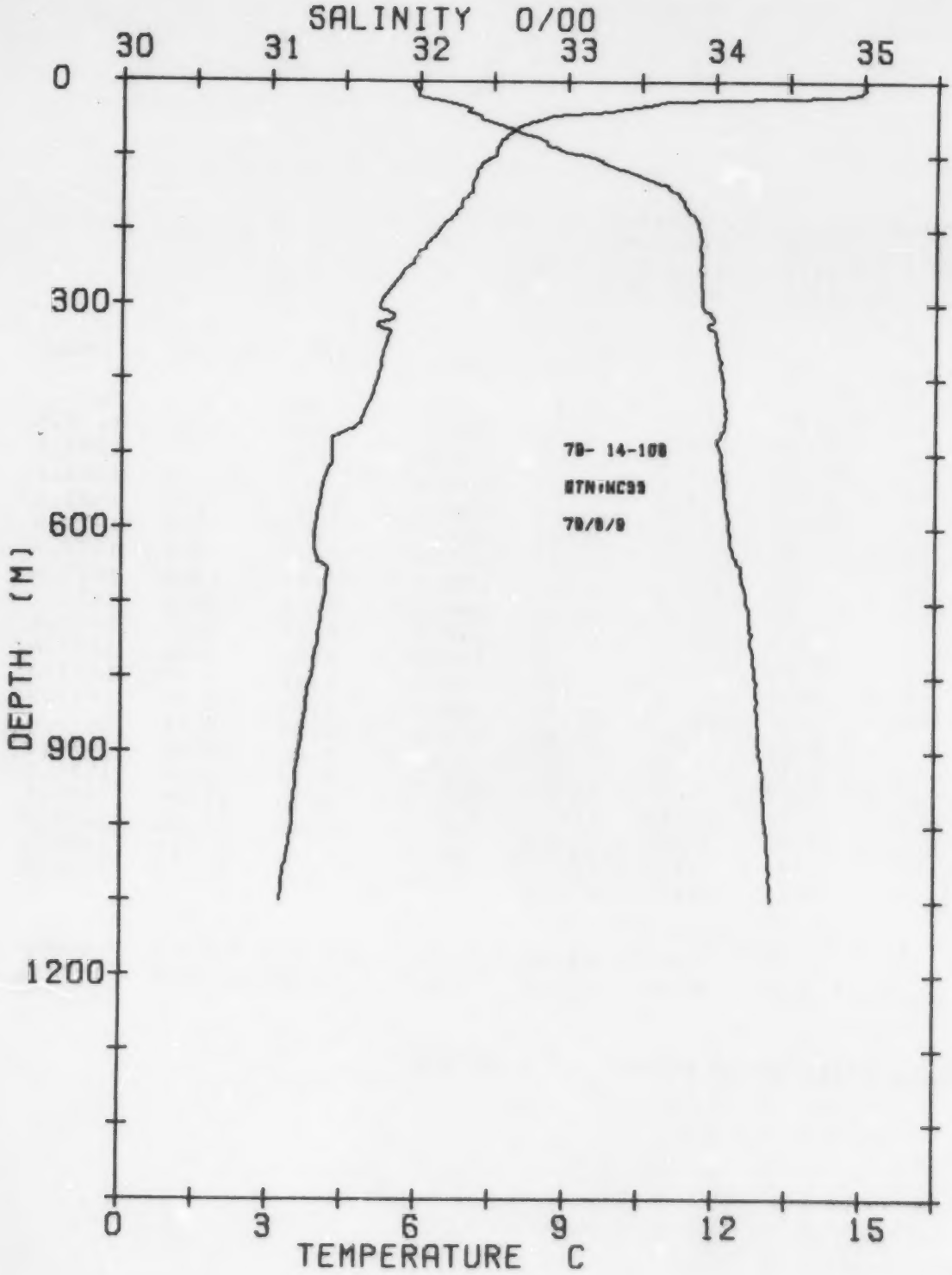
CRUISE : C.O.D.E. 79-14.
STATION: WC32 CONS #107
LAT N 49 29.0 LONG W 127 46.5
DATE 79/08/09 TIME (PST) 1825

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.21	32.16	24.37	357.0	.00	.00	1494.6
10	11.35	32.14	24.51	343.4	.35	.02	1491.8
20	10.11	32.24	24.81	315.4	.68	.07	1487.6
30	8.83	32.35	25.10	287.8	.97	.14	1483.1
50	8.09	32.70	25.48	251.9	1.51	.35	1481.1
75	7.52	33.20	25.95	207.1	2.08	.71	1479.9
100	7.24	33.55	26.27	177.5	2.55	1.12	1479.7
125	6.92	33.80	26.50	155.5	2.97	1.58	1479.2
150	6.79	33.87	26.58	148.2	3.35	2.11	1479.2
175	6.48	33.90	26.65	142.7	3.71	2.69	1478.4
200	6.18	33.90	26.69	139.2	4.06	3.36	1477.6
225	6.00	33.91	26.72	136.2	4.40	4.08	1477.3
250	6.04	33.97	26.76	132.7	4.74	4.88	1477.9
300	5.25	33.93	26.83	126.5	5.39	6.66	1475.5
400	4.70	33.98	26.93	117.5	6.60	10.90	1474.9
500	4.57	34.10	27.03	108.4	7.73	15.98	1476.2
600	4.06	34.13	27.11	101.5	8.78	21.74	1475.7
800	3.80	34.28	27.26	88.8	10.69	35.06	1478.2
1000	3.48	34.36	27.36	80.4	12.37	50.13	1480.2
1200	3.15	34.40	27.42	75.4	13.92	67.24	1482.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.15	34.40	27.42	75.4	13.92	67.24	1482.1

WIND MIXED LAYER DEPTH = 3.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-108
STN:NC33
79/8/9
0
3
6
9
12
15
TEMPERATURE C

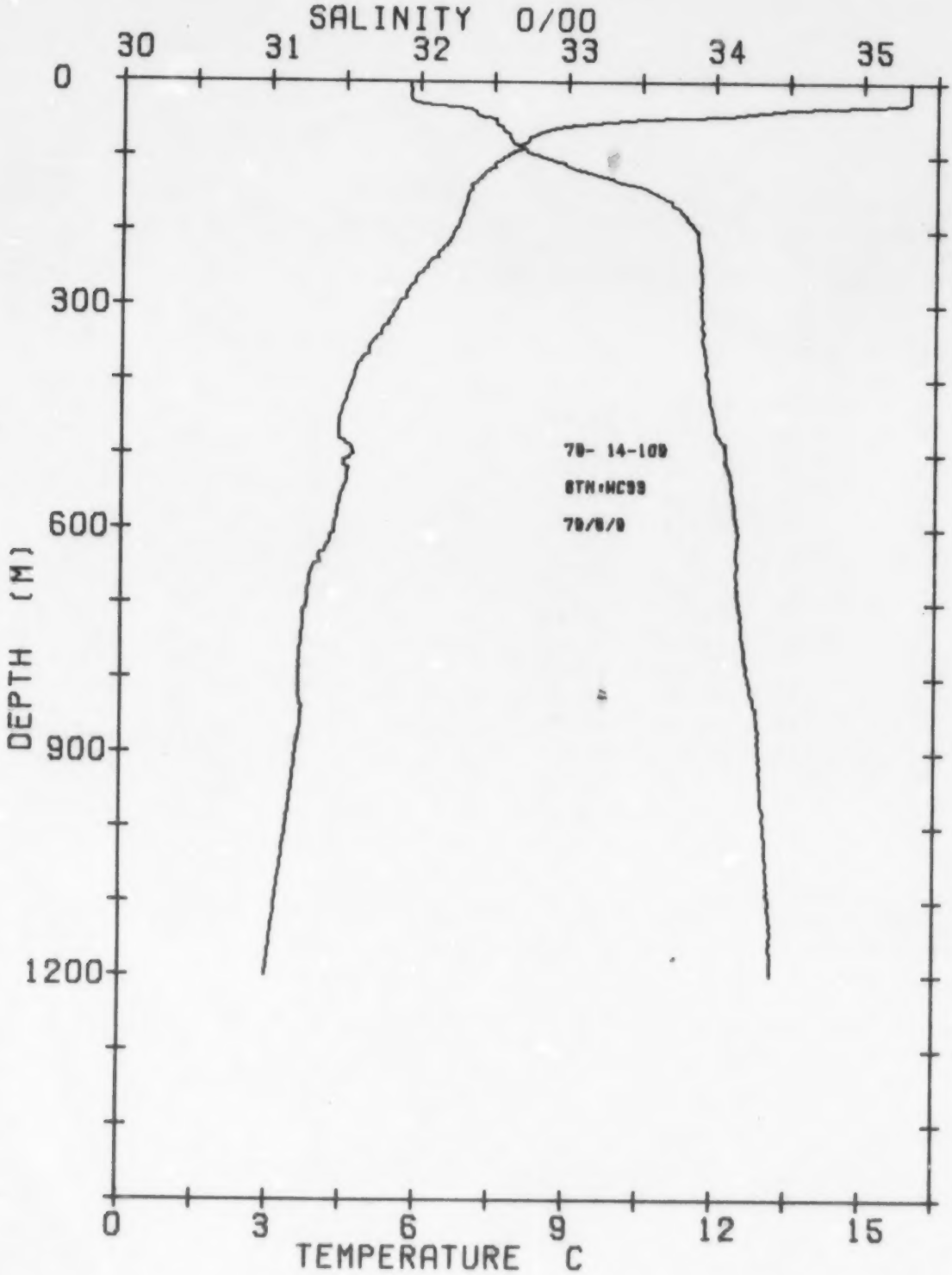
CRUISE : C.O.D.E. 79-14.
STATION: WC33 CONS #108
LAT N 49 23.5 LONG W 127 55.0
DATE 79/08/09 TIME (PST) 2048

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.99	31.97	23.67	423.8	.00	.00	1503.6
10	15.03	31.98	23.67	423.9	.42	.02	1503.9
20	14.53	31.99	23.78	413.7	.84	.08	1502.5
30	10.82	32.24	24.69	327.1	1.20	.17	1490.3
50	8.59	32.41	25.18	280.2	1.80	.41	1482.6
75	7.75	32.81	25.61	239.5	2.45	.81	1480.3
100	7.55	33.13	25.90	212.8	3.02	1.31	1480.4
125	7.16	33.49	26.23	181.7	3.51	1.86	1479.7
150	7.05	33.75	26.45	160.9	3.94	2.45	1480.0
175	6.76	33.83	26.56	151.3	4.33	3.08	1479.4
200	6.42	33.90	26.65	142.3	4.69	3.76	1478.5
225	6.13	33.90	26.69	139.0	5.04	4.51	1477.8
250	5.79	33.90	26.74	134.9	5.38	5.32	1476.8
300	5.24	33.92	26.82	127.5	6.04	7.11	1475.4
400	5.18	34.06	26.93	117.6	7.26	11.38	1477.0
500	4.26	34.05	27.03	108.8	8.39	16.47	1474.8
600	3.93	34.10	27.11	101.7	9.44	22.26	1475.2
800	3.88	34.28	27.25	89.3	11.35	35.59	1478.5
1000	3.48	34.36	27.35	80.7	13.04	50.77	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1100.1	3.24	34.39	27.40	76.1	13.82	58.96	1480.9

WIND MIXED LAYER DEPTH = 16.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-109
STN:WC99
79/8/9
0
3
6
9
12
15
TEMPERATURE C

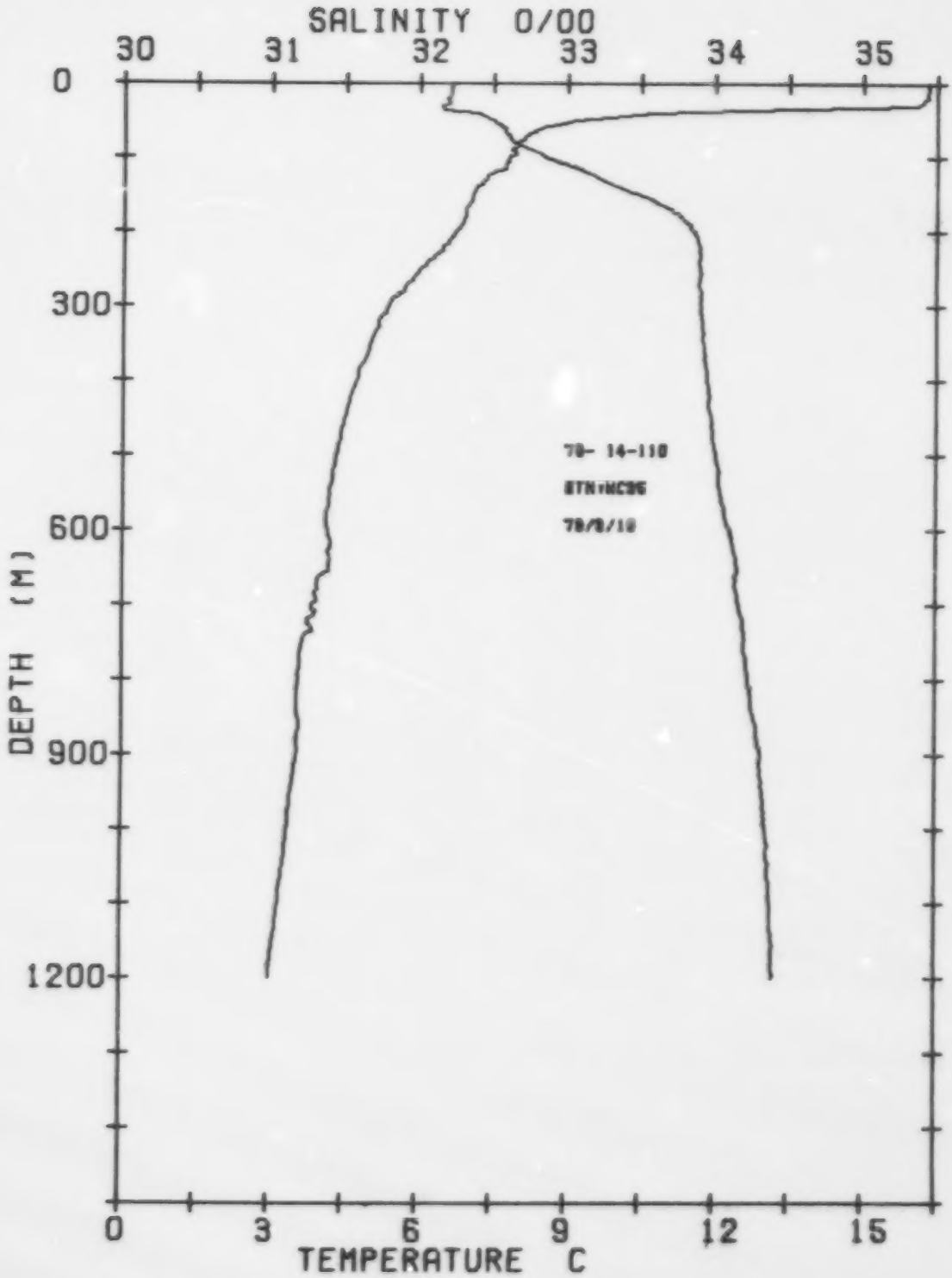
CRUISE : C.O.D.E. 79-14.
STATION: WC33 CONS #109
LAT N 49 23.5 LONG W 127 55.0
DATE 79/08/09 TIME (PST) 2333

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.93	31.93	23.43	446.3	.00	.00	1506.6
10	15.92	31.94	23.44	446.0	.45	.02	1506.7
20	15.92	31.93	23.43	446.8	.89	.09	1506.9
30	15.86	32.01	23.51	439.8	1.34	.20	1506.9
50	10.61	32.51	24.93	304.2	2.06	.48	1490.2
75	8.24	32.61	25.39	260.6	2.75	.91	1482.0
100	7.77	32.81	25.61	239.9	3.38	1.46	1480.8
125	7.29	33.21	25.99	204.2	3.93	2.09	1479.9
150	6.99	33.60	26.34	171.1	4.40	2.72	1479.6
175	6.88	33.78	26.50	156.9	4.81	3.39	1479.8
200	6.72	33.88	26.60	147.3	5.19	4.10	1479.7
225	6.44	33.89	26.64	143.6	5.55	4.87	1479.0
250	6.15	33.90	26.69	139.2	5.90	5.71	1478.3
300	5.58	33.91	26.77	132.4	6.58	7.57	1476.8
400	4.69	33.96	26.91	119.3	7.84	11.96	1474.9
500	4.67	34.08	27.01	110.9	8.98	17.09	1476.6
600	4.29	34.16	27.11	101.5	10.04	22.91	1476.8
800	3.60	34.24	27.25	89.4	11.95	36.25	1477.2
1000	3.37	34.35	27.36	80.0	13.64	51.47	1479.7
1200	2.97	34.40	27.43	73.2	15.17	68.23	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	2.97	34.40	27.43	73.2	15.17	68.23	1481.4

WIND MIXED LAYER DEPTH = 27.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

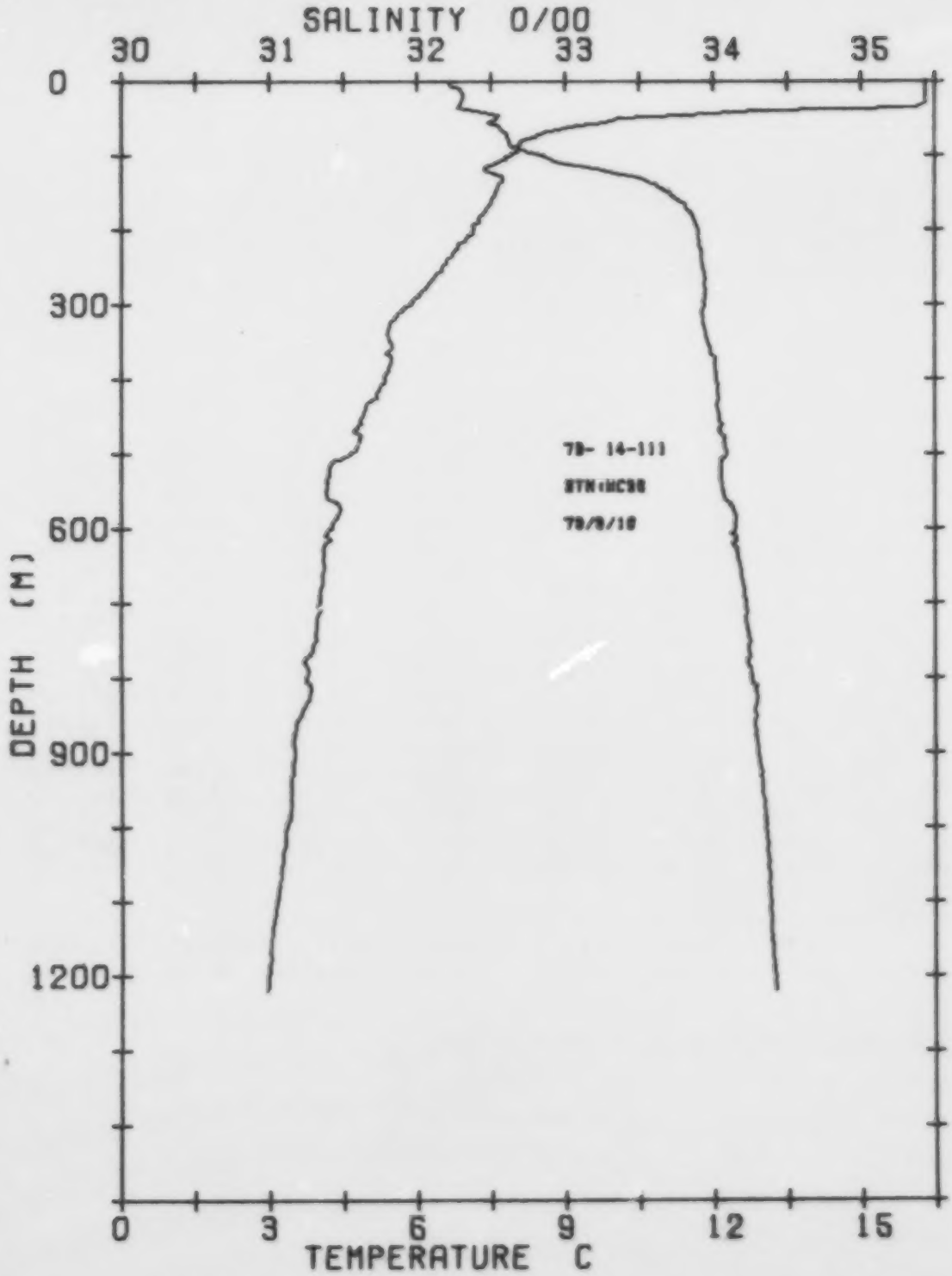
CRUISE : C.O.D.E. 79-14.
STATION: WC35 CONS #110
LAT N 49 12.0 LONG W 128 12.5
DATE 79/08/10 TIME (PST) 0134

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.30	32.21	23.57	433.4	.00	.00	1508.1
10	16.31	32.21	23.56	434.0	.43	.02	1508.2
20	16.29	32.18	23.54	436.0	.87	.09	1508.3
30	16.10	32.15	23.56	434.9	1.30	.20	1507.9
50	9.19	32.50	25.16	282.6	1.97	.46	1485.0
75	8.10	32.62	25.42	258.1	2.64	.87	1481.4
100	7.81	32.85	25.64	237.8	3.26	1.41	1481.0
125	7.40	33.19	25.97	206.5	3.81	2.04	1480.3
150	7.08	33.49	26.24	181.0	4.30	2.70	1479.8
175	6.93	33.75	26.47	159.4	4.72	3.39	1480.0
200	6.74	33.86	26.58	149.0	5.11	4.11	1479.8
225	6.45	33.89	26.64	143.5	5.47	4.89	1479.1
250	6.04	33.90	26.70	138.0	5.83	5.72	1477.9
300	5.36	33.91	26.79	129.7	6.50	7.56	1475.9
400	4.73	33.95	26.90	120.3	7.74	11.92	1475.0
500	4.32	34.01	26.99	112.1	8.90	17.14	1475.1
600	4.13	34.11	27.09	103.7	9.99	23.10	1476.0
800	3.57	34.23	27.24	90.1	11.93	36.60	1477.1
1000	3.36	34.35	27.36	80.0	13.62	51.81	1479.6
1200	3.02	34.40	27.43	73.6	15.15	68.61	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.1	3.02	34.40	27.43	73.6	15.15	68.62	1481.6

WIND MIXED LAYER DEPTH = 29.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-111
STN:HC58
79/9/18
0
3
6
9
12
15
TEMPERATURE C

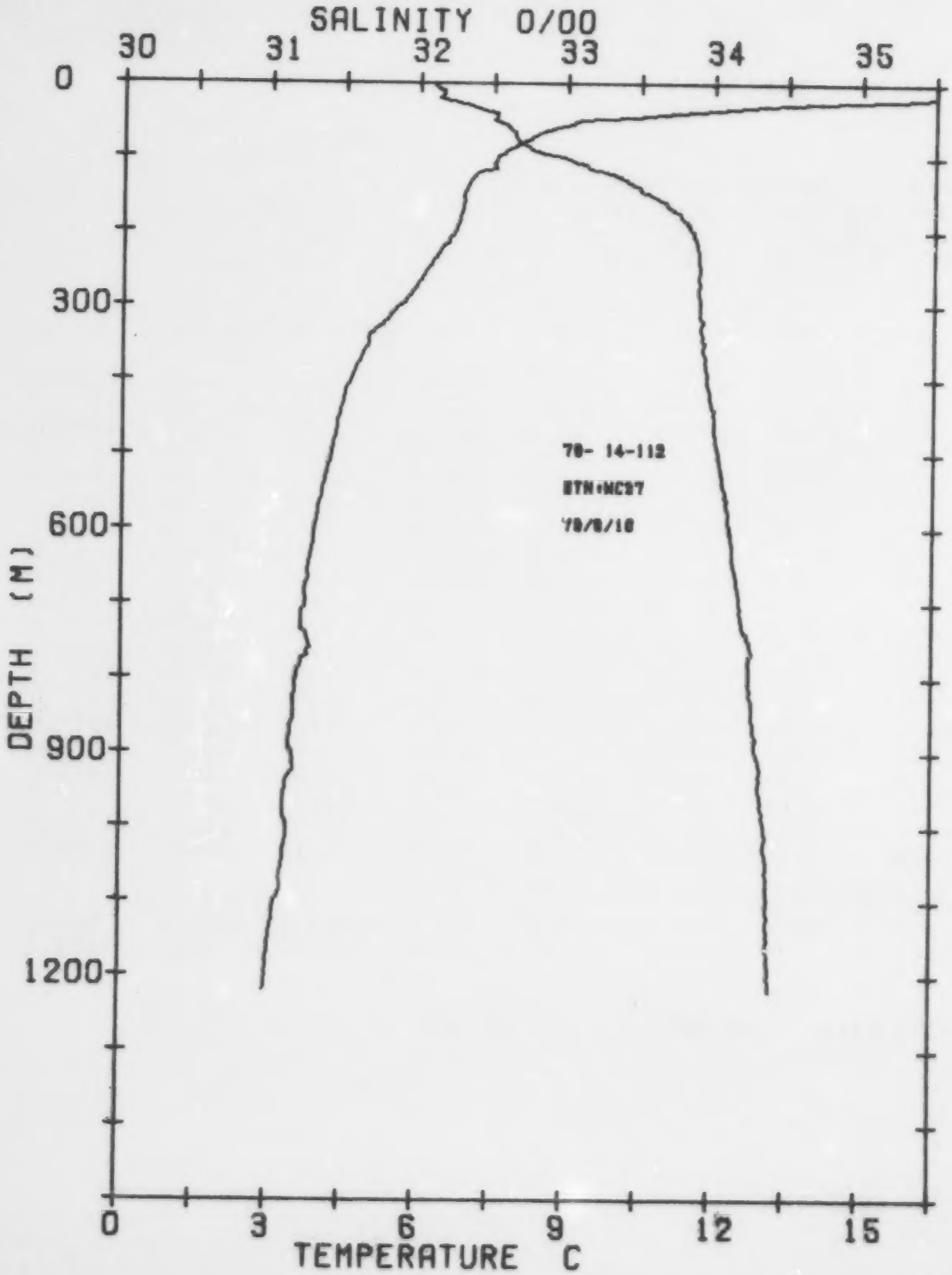
CRUISE : C.O.D.E. 79-14.
STATION: #C36 CONS #111
LAT N 49 06.5 LONG W 128 21.0
DATE 79/08/10 TIME (PST) 0338

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.30	32.22	23.57	432.8	.00	.00	1508.1
10	16.29	32.29	23.63	427.8	.43	.02	1508.3
20	16.29	32.31	23.64	427.0	.86	.09	1508.5
30	16.29	32.29	23.62	428.9	1.29	.19	1508.6
50	10.12	32.53	25.03	294.8	2.02	.48	1488.5
75	8.40	32.61	25.36	263.6	2.71	.91	1482.6
100	7.90	32.85	25.62	238.9	3.35	1.46	1481.4
125	7.59	33.38	26.09	195.1	3.89	2.07	1481.3
150	7.58	33.70	26.34	171.6	4.34	2.70	1482.1
175	7.37	33.84	26.48	159.1	4.76	3.37	1481.8
200	7.13	33.90	26.56	151.4	5.14	4.09	1481.4
225	6.82	33.92	26.62	146.4	5.52	4.88	1480.6
250	6.52	33.93	26.67	141.7	5.88	5.74	1479.8
300	5.85	33.94	26.76	133.5	6.56	7.63	1477.9
400	5.34	34.02	26.89	122.0	7.83	12.07	1477.6
500	4.65	34.09	27.02	110.0	9.00	17.28	1476.5
600	4.26	34.15	27.11	102.1	10.06	23.12	1476.6
800	3.74	34.26	27.25	89.5	11.97	36.44	1477.9
1000	3.35	34.35	27.36	79.9	13.66	51.63	1479.6
1200	2.98	34.42	27.45	72.3	15.18	68.31	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1220.1	2.95	34.42	27.45	71.9	15.32	70.07	1481.6

WIND MIXED LAYER DEPTH = 33.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-112
STN:MC27
78/8/18
0
3
6
9
12
15
TEMPERATURE C

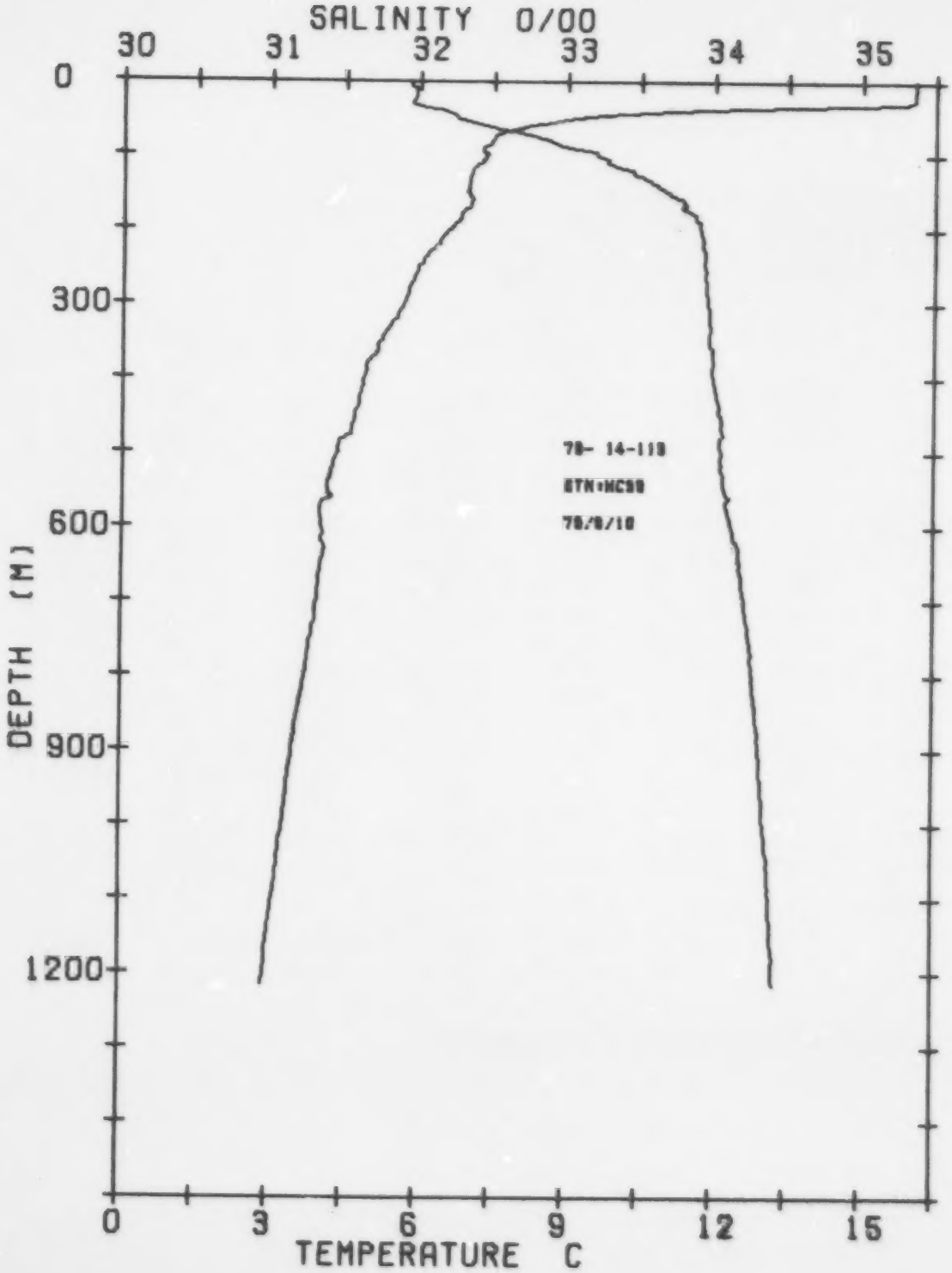
CRUISE : C.O.D.E. 79-14.
STATION: WC37 CONS #112
LAT N 49 12.5 LONG W 128 29.0
DATE 79/08/10 TIME (PST) 0625

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.48	32.09	23.42	446.8	.00	.00	1508.5
10	16.49	32.16	23.48	442.2	.44	.02	1508.7
20	16.32	32.13	23.49	440.9	.89	.09	1508.3
30	13.12	32.35	24.34	360.1	1.28	.19	1498.4
50	9.26	32.51	25.15	283.3	1.91	.44	1485.3
75	8.24	32.66	25.43	257.2	2.58	.85	1482.0
100	7.61	32.98	25.77	224.8	3.19	1.39	1480.4
125	7.14	33.36	26.13	190.9	3.72	1.97	1479.5
150	6.91	33.57	26.33	172.5	4.17	2.60	1479.3
175	6.88	33.77	26.49	157.6	4.59	3.27	1479.8
200	6.74	33.86	26.58	149.7	4.97	3.99	1479.8
225	6.46	33.90	26.65	143.2	5.34	4.76	1479.1
250	6.20	33.91	26.69	139.7	5.69	5.60	1478.5
300	5.65	33.91	26.76	133.3	6.37	7.48	1477.1
400	4.66	33.96	26.91	119.1	7.62	11.84	1474.7
500	4.25	34.04	27.02	109.2	8.76	16.94	1474.8
600	3.92	34.12	27.12	100.2	9.80	22.68	1475.1
800	3.56	34.26	27.27	87.6	11.67	35.75	1477.1
1000	3.40	34.37	27.37	79.1	13.34	50.67	1479.9
1200	2.99	34.40	27.44	73.2	14.85	67.32	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1220.1	2.95	34.41	27.44	72.4	15.00	69.09	1481.6

WIND MIXED LAYER DEPTH = 16.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

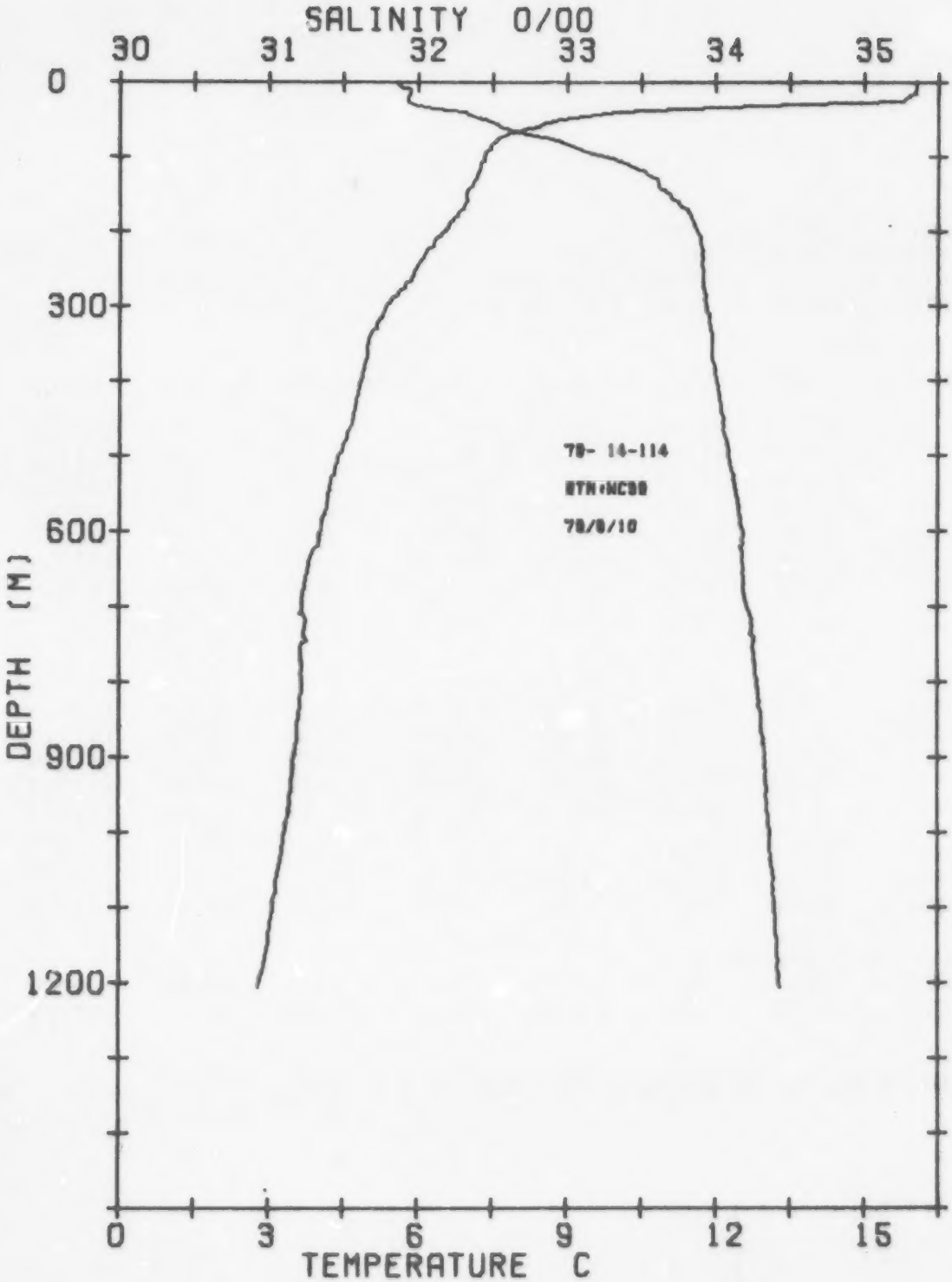
CRUISE : C.O.D.E. 79-14.
STATION: WC38 CONS #113
LAT N 49 18.5 LONG W 128 36.5
DATE 79/08/10 TIME (PST) 0834

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.07	31.93	23.40	449.5	.00	.00	1507.0
10	16.07	31.97	23.43	446.9	.45	.02	1507.2
20	16.06	31.97	23.43	446.7	.90	.09	1507.3
30	15.91	31.94	23.44	446.2	1.34	.20	1507.0
50	9.18	32.25	24.96	301.2	2.04	.48	1484.6
75	7.52	32.80	25.64	236.9	2.71	.89	1479.4
100	7.39	33.20	25.97	205.8	3.26	1.37	1479.8
125	7.06	33.46	26.22	182.3	3.74	1.91	1479.3
150	6.97	33.69	26.41	164.5	4.17	2.50	1479.6
175	6.90	33.84	26.54	152.7	4.57	3.15	1480.0
200	6.63	33.91	26.63	144.4	4.94	3.84	1479.4
225	6.30	33.93	26.69	138.9	5.30	4.59	1478.5
250	5.99	33.94	26.74	134.6	5.64	5.40	1477.7
300	5.71	33.96	26.79	130.3	6.30	7.22	1477.4
400	4.89	34.00	26.92	118.7	7.53	11.54	1475.7
500	4.37	34.06	27.02	109.3	8.67	16.64	1475.3
600	4.02	34.13	27.12	100.8	9.72	22.42	1475.6
800	3.73	34.28	27.27	87.9	11.61	35.57	1477.8
1000	3.31	34.36	27.37	78.9	13.27	50.50	1479.4
1200	2.94	34.42	27.45	71.3	14.76	66.87	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1215.0	2.92	34.43	27.46	70.8	14.87	68.16	1481.4

WIND MIXED LAYER DEPTH = 28.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-114
BTN+NC88
78/8/10
0
3
6
9
12
15
TEMPERATURE C

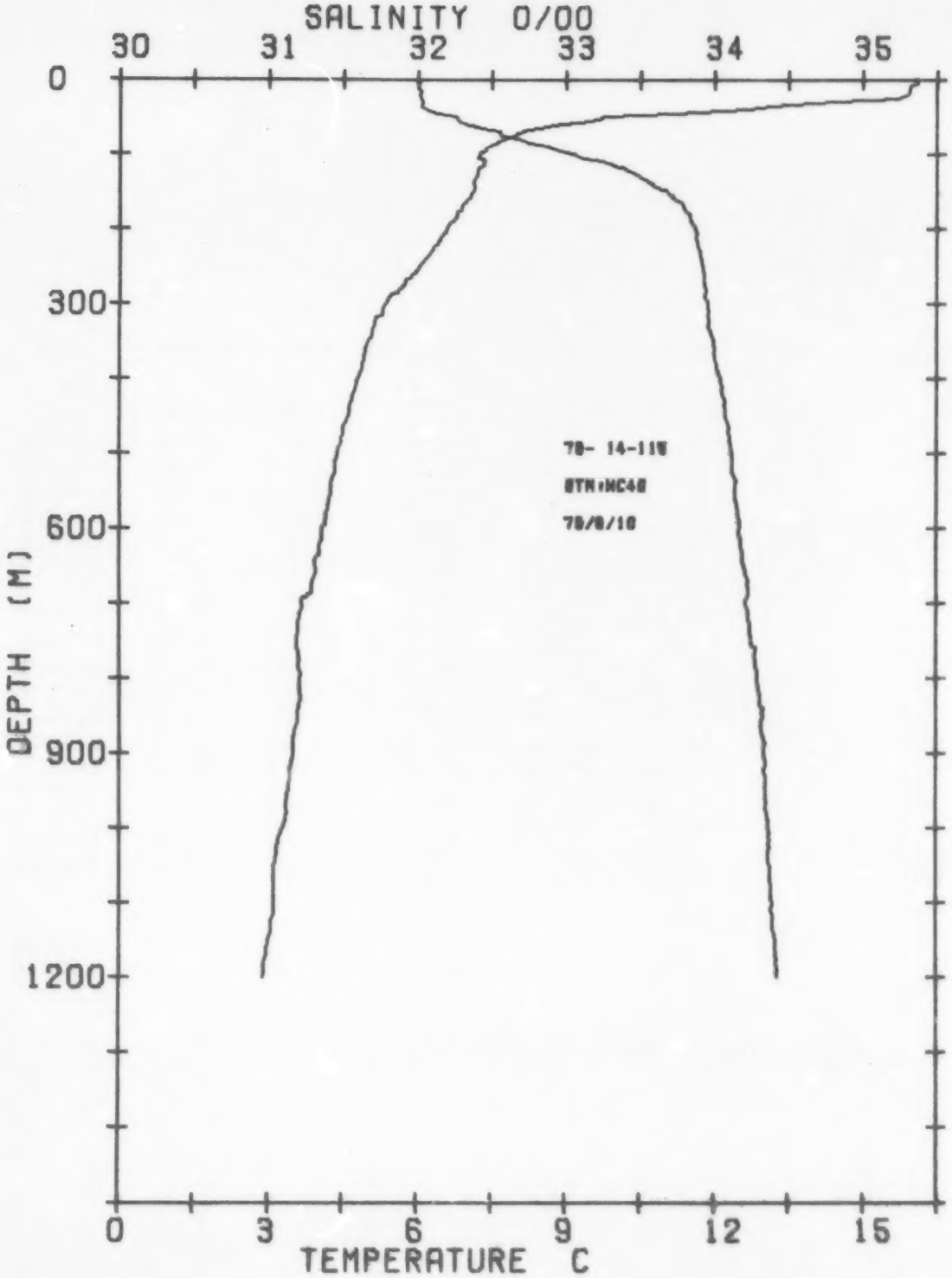
CRUISE : C.O.D.E. 79-14.
STATION: WC39 CONS #114
LAT N 49 25.0 LONG W 128 44.5
DATE 79/08/10 TIME (PST) 1050

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.05	31.86	23.35	454.3	.00	.00	1506.8
10	16.04	31.94	23.42	448.0	.45	.02	1507.1
20	15.90	31.93	23.44	446.0	.90	.09	1506.8
30	13.78	31.96	23.91	401.6	1.33	.20	1500.2
50	8.91	32.45	25.16	282.3	1.98	.45	1483.9
75	7.61	32.89	25.70	231.1	2.63	.85	1479.9
100	7.31	33.26	26.03	199.9	3.17	1.33	1479.6
125	7.19	33.56	26.29	176.2	3.64	1.85	1479.9
150	6.98	33.69	26.41	164.4	4.06	2.43	1479.7
175	6.82	33.83	26.54	152.5	4.46	3.08	1479.6
200	6.55	33.88	26.62	145.2	4.83	3.78	1479.1
225	6.18	33.92	26.70	138.1	5.18	4.53	1478.1
250	5.96	33.92	26.73	135.5	5.53	5.34	1477.6
300	5.38	33.94	26.81	127.7	6.19	7.16	1476.1
400	4.87	34.01	26.93	117.7	7.40	11.40	1475.7
500	4.42	34.09	27.04	107.2	8.53	16.46	1475.6
600	4.05	34.19	27.16	96.9	9.55	22.05	1475.8
800	3.67	34.28	27.27	87.3	11.38	34.86	1477.6
1000	3.33	34.37	27.37	78.6	13.04	49.71	1479.5
1200	2.81	34.43	27.47	69.6	14.51	65.93	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.1	2.80	34.44	27.48	68.7	14.55	66.36	1480.8

WIND MIXED LAYER DEPTH = 24.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

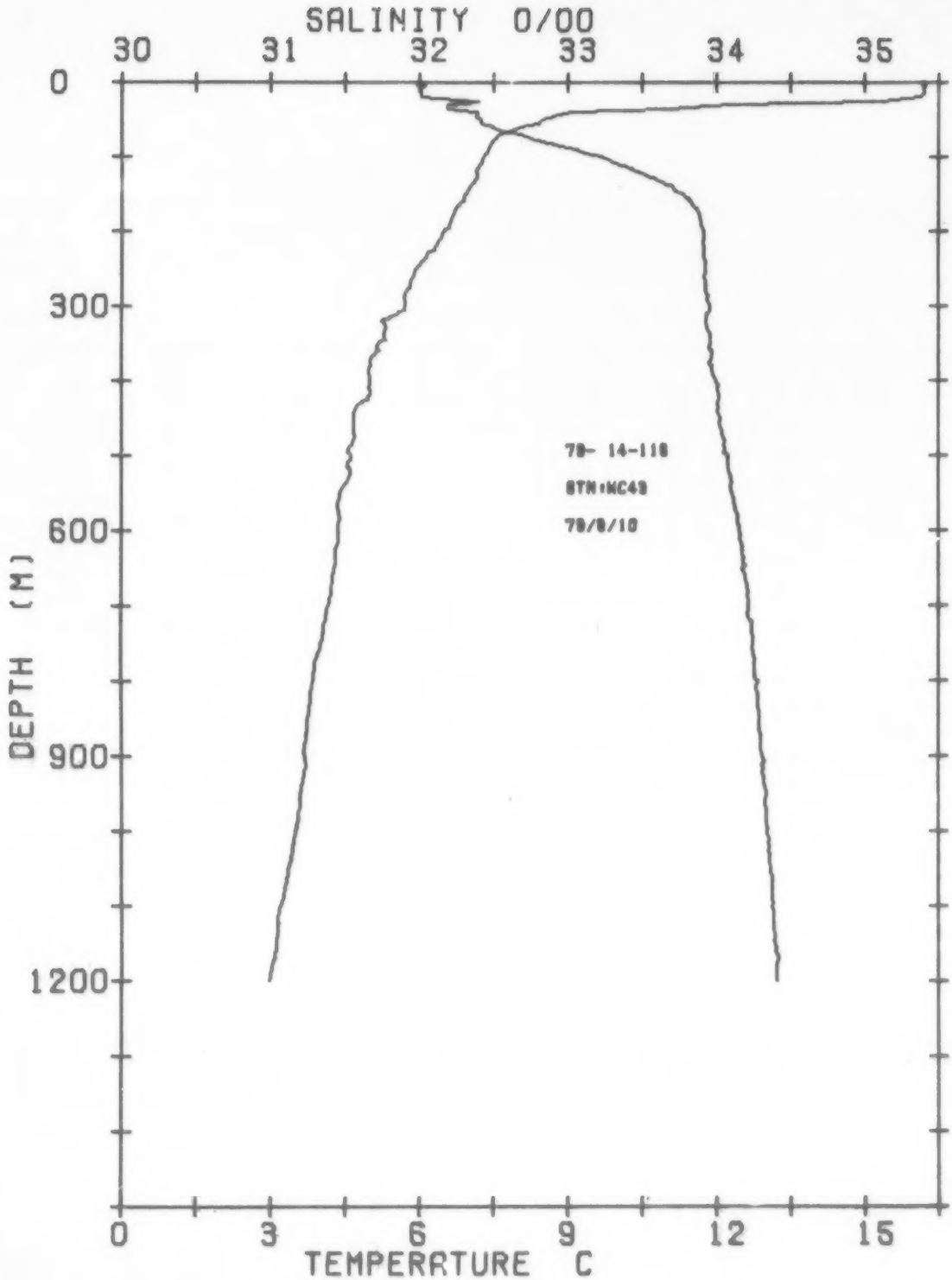
CRUISE : C.O.D.E. 79-14.
STATION: WC40 CONS #115
LAT N 49 31.5 LONG W 128 52.5
DATE 79/08/10 TIME (PST) 1313

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.07	32.00	23.45	444.4	.00	.00	1507.1
10	15.95	32.00	23.48	442.0	.44	.02	1506.9
20	15.93	32.01	23.49	441.1	.88	.09	1507.0
30	14.47	32.03	23.82	409.6	1.32	.20	1502.5
50	9.81	32.26	24.87	309.6	2.05	.48	1487.0
75	7.99	32.56	25.39	261.1	2.76	.93	1480.9
100	7.26	33.05	25.87	215.3	3.35	1.44	1479.1
125	7.21	33.46	26.20	184.3	3.85	2.00	1479.9
150	7.13	33.68	26.38	167.3	4.29	2.60	1480.3
175	6.86	33.80	26.52	155.0	4.69	3.25	1479.8
200	6.61	33.87	26.60	147.0	5.06	3.96	1479.3
225	6.35	33.89	26.66	142.0	5.43	4.73	1478.7
250	6.05	33.92	26.72	136.9	5.78	5.56	1477.9
300	5.38	33.95	26.82	127.0	6.43	7.37	1476.1
400	4.81	34.04	26.96	114.9	7.64	11.58	1475.5
500	4.39	34.12	27.07	104.8	8.74	16.52	1475.5
600	4.09	34.17	27.14	98.5	9.76	22.13	1475.9
800	3.64	34.29	27.28	86.4	11.59	34.90	1477.5
1000	3.31	34.37	27.38	78.0	13.23	49.64	1479.5
1200	2.89	34.43	27.46	70.2	14.72	65.95	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	2.89	34.43	27.46	70.2	14.72	65.95	1481.1

WIND MIXED LAYER DEPTH = 23.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-118
STN:NC49
79/8/10
0
3
6
9
12
15
TEMPERRTURE C

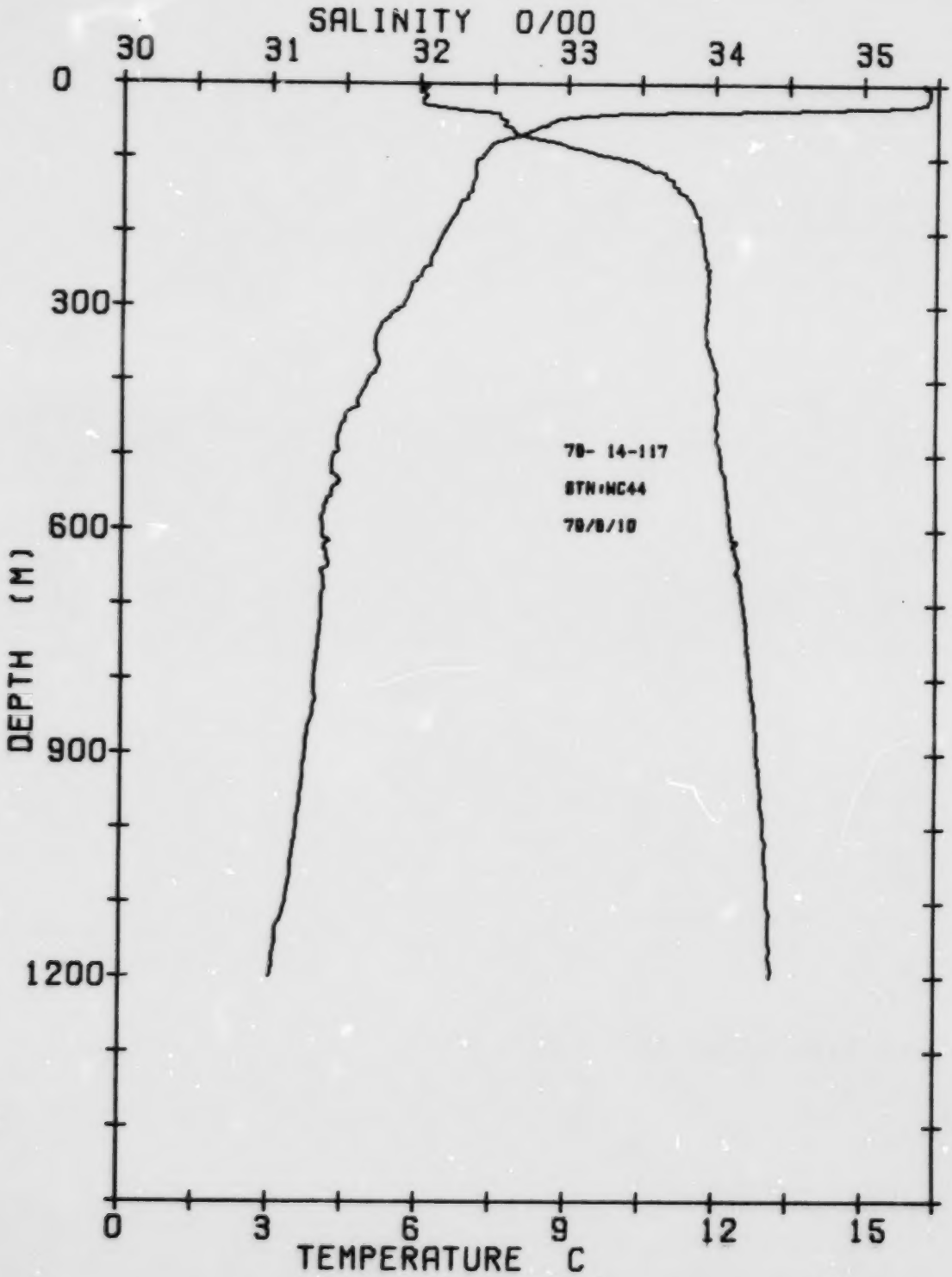
CRUISE : C.O.D.E. 79-14.
STATION: WC43 CONS #116
LAT N 49 47.0 LONG W 128 28.5
DATE 79/08/10 TIME (PST) 1609

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.20	31.96	23.41	448.4	.00	.00	1507.5
10	16.16	32.00	23.44	446.1	.45	.02	1507.5
20	16.15	32.01	23.44	445.6	.89	.09	1507.7
30	12.38	32.19	24.36	357.9	1.29	.19	1495.7
50	8.51	32.41	25.19	279.1	1.91	.43	1482.3
75	7.56	32.76	25.60	240.5	2.56	.84	1479.5
100	7.33	33.24	26.01	201.9	3.12	1.32	1479.7
125	7.18	33.54	26.27	178.2	3.59	1.85	1479.9
150	6.96	33.78	26.49	157.5	4.01	2.43	1479.7
175	6.73	33.89	26.60	146.8	4.39	3.04	1479.4
200	6.52	33.92	26.66	142.1	4.75	3.72	1479.0
225	6.31	33.92	26.69	139.4	5.10	4.47	1478.6
250	5.97	33.93	26.74	135.0	5.45	5.28	1477.6
300	5.72	33.95	26.79	130.6	6.11	7.11	1477.4
400	5.00	34.00	26.91	119.4	7.36	11.47	1476.2
500	4.62	34.08	27.01	110.4	8.51	16.65	1476.4
600	4.38	34.16	27.10	102.7	9.58	22.50	1477.1
800	3.86	34.28	27.26	89.2	11.51	35.96	1478.4
1000	3.52	34.35	27.34	82.2	13.23	51.44	1480.3
1200	2.97	34.41	27.44	72.6	14.77	68.31	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	2.97	34.41	27.44	72.6	14.77	68.32	1481.4

WIND MIXED LAYER DEPTH = 21.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-117
STN:NC44
79/8/10
0
3
6
9
12
15
TEMPERATURE C

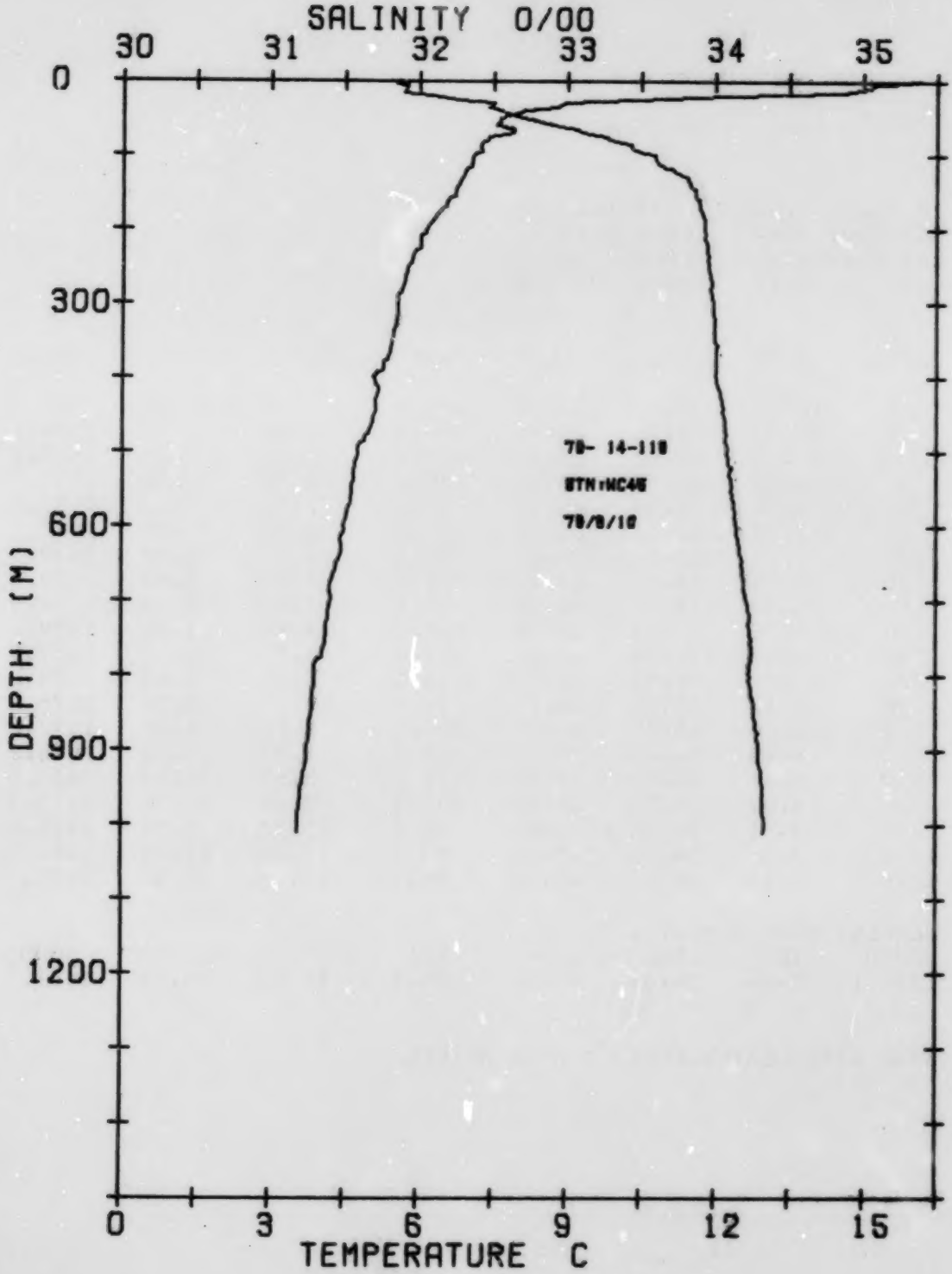
CRUISE : C.O.D.E. 79-14.
STATION: WC44 CONS #117
LAT N 49 51.5 LONG W 125 20.5
DATE 79/08/10 TIME (PST) 1835

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.20	32.02	23.43	445.9	.00	.00	1507.5
10	16.32	32.02	23.41	448.4	.45	.02	1508.1
20	16.32	32.02	23.41	448.6	.89	.09	1508.2
30	15.97	32.04	23.51	439.7	1.34	.20	1507.3
50	8.72	32.57	25.29	270.1	1.99	.45	1483.3
75	7.72	32.81	25.62	238.8	2.64	.86	1480.2
100	7.26	33.33	26.09	194.2	3.18	1.33	1479.5
125	7.14	33.67	26.38	167.5	3.62	1.83	1479.9
150	6.97	33.80	26.50	156.1	4.03	2.38	1479.8
175	6.75	33.87	26.59	148.2	4.41	3.00	1479.4
200	6.52	33.91	26.65	142.8	4.77	3.68	1479.0
225	6.32	33.93	26.69	139.2	5.12	4.43	1478.6
250	6.10	33.96	26.74	134.6	5.47	5.24	1478.2
300	5.66	33.95	26.79	129.8	6.13	7.06	1477.2
400	4.99	34.01	26.91	119.0	7.37	11.41	1476.2
500	4.31	34.03	27.01	110.1	8.52	16.54	1475.0
600	4.07	34.10	27.09	103.1	9.58	22.38	1475.7
800	3.91	34.25	27.22	92.6	11.53	35.98	1478.6
1000	3.56	34.34	27.33	83.1	13.28	51.74	1480.5
1200	3.04	34.39	27.42	74.9	14.85	69.02	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.1	3.04	34.39	27.42	74.9	14.85	69.03	1481.7

WIND MIXED LAYER DEPTH = 29.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-118
STN:HC46
78/8/18
0
3
6
9
12
15
TEMPERATURE C

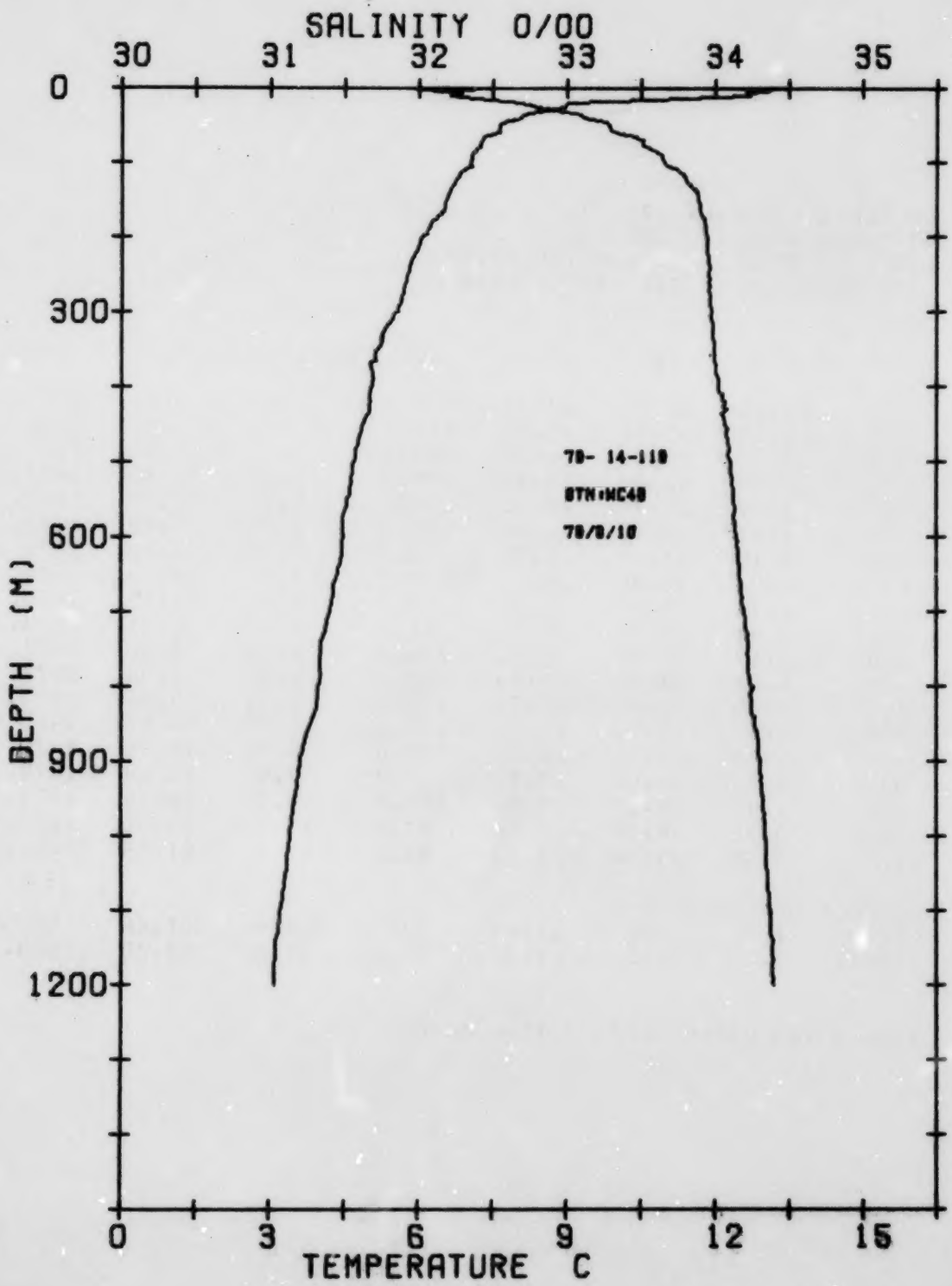
CRUISE : C.O.D.E. 79-14.
STATION: WC45 CONS #118
LAT N 49 57.0 LONG W 128 12.5
DATE 79/08/10 TIME (PST) 2124

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.16	31.86	23.33	455.8	.00	.00	1507.2
10	15.14	31.91	23.59	431.4	.44	.02	1504.2
20	12.31	32.08	24.29	365.1	.85	.08	1495.2
30	8.99	32.49	25.18	279.7	1.17	.16	1483.9
50	7.67	32.71	25.55	245.1	1.70	.37	1479.5
75	7.41	33.27	26.03	200.3	2.26	.72	1479.6
100	7.10	33.59	26.32	173.0	2.74	1.13	1479.2
125	6.93	33.76	26.47	158.3	3.15	1.60	1479.2
150	6.74	33.87	26.59	148.1	3.53	2.13	1479.0
175	6.44	33.91	26.66	141.4	3.90	2.71	1478.3
200	6.17	33.93	26.71	136.9	4.24	3.36	1477.6
225	6.02	33.95	26.75	133.7	4.58	4.08	1477.4
250	5.80	33.96	26.78	131.0	4.91	4.86	1477.0
300	5.57	33.99	26.83	126.0	5.55	6.63	1476.9
400	5.08	34.01	26.91	120.0	6.79	10.96	1476.5
500	4.77	34.06	27.00	111.7	7.96	16.20	1477.0
600	4.48	34.15	27.08	104.5	9.04	22.15	1477.5
800	3.91	34.24	27.21	93.3	11.00	35.81	1478.5
1000	3.57	34.34	27.33	83.5	12.75	51.55	1480.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1010.1	3.57	34.33	27.32	83.8	12.83	52.39	1480.7

WIND MIXED LAYER DEPTH = 11.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-119
STN:MC48
79/8/18
0
3
6
9
12
15
TEMPERATURE C

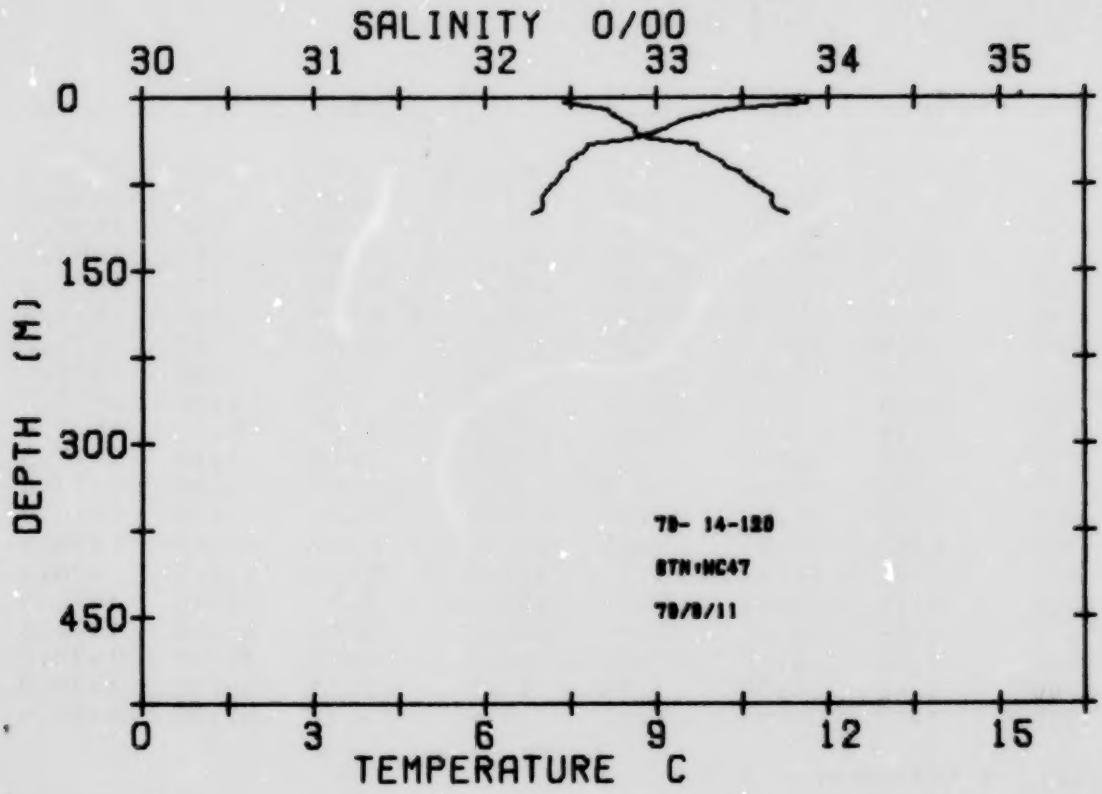
CRUISE : C.O.D.E. 79-14.
STATION: WC46 CONS #119
LAT N 50 01.5 LONG W 128 05.5
DATE 79/08/10 TIME (PST) 2331

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.36	32.12	24.12	380.7	.00	.00	1498.5
10	12.71	32.21	24.32	362.1	.36	.02	1496.6
20	9.04	32.70	25.34	264.7	.68	.06	1484.2
30	8.59	32.93	25.58	241.7	.93	.13	1483.0
50	7.65	33.29	26.01	201.6	1.36	.30	1480.1
75	7.26	33.51	26.24	180.3	1.84	.60	1479.3
100	7.04	33.66	26.38	167.0	2.27	.97	1479.1
125	6.76	33.81	26.54	152.1	2.67	1.42	1478.6
150	6.56	33.89	26.63	143.6	3.03	1.92	1478.3
175	6.35	33.93	26.68	139.0	3.39	2.50	1477.9
200	6.09	33.95	26.73	134.6	3.73	3.14	1477.3
225	5.92	33.96	26.76	131.9	4.07	3.85	1477.0
250	5.78	33.96	26.78	130.4	4.39	4.62	1476.9
300	5.57	33.98	26.82	127.2	5.04	6.40	1476.9
400	5.06	34.03	26.93	117.9	6.26	10.65	1476.5
500	4.71	34.11	27.02	109.5	7.39	15.75	1476.8
600	4.49	34.15	27.09	104.4	8.46	21.62	1477.6
800	3.98	34.25	27.22	92.7	10.43	35.41	1478.9
1000	3.42	34.34	27.34	81.5	12.17	50.95	1479.9
1200	3.09	34.40	27.42	74.9	13.72	67.99	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.1	3.09	34.40	27.42	74.8	13.72	68.00	1481.9

WIND MIXED LAYER DEPTH = 9.0 METRES

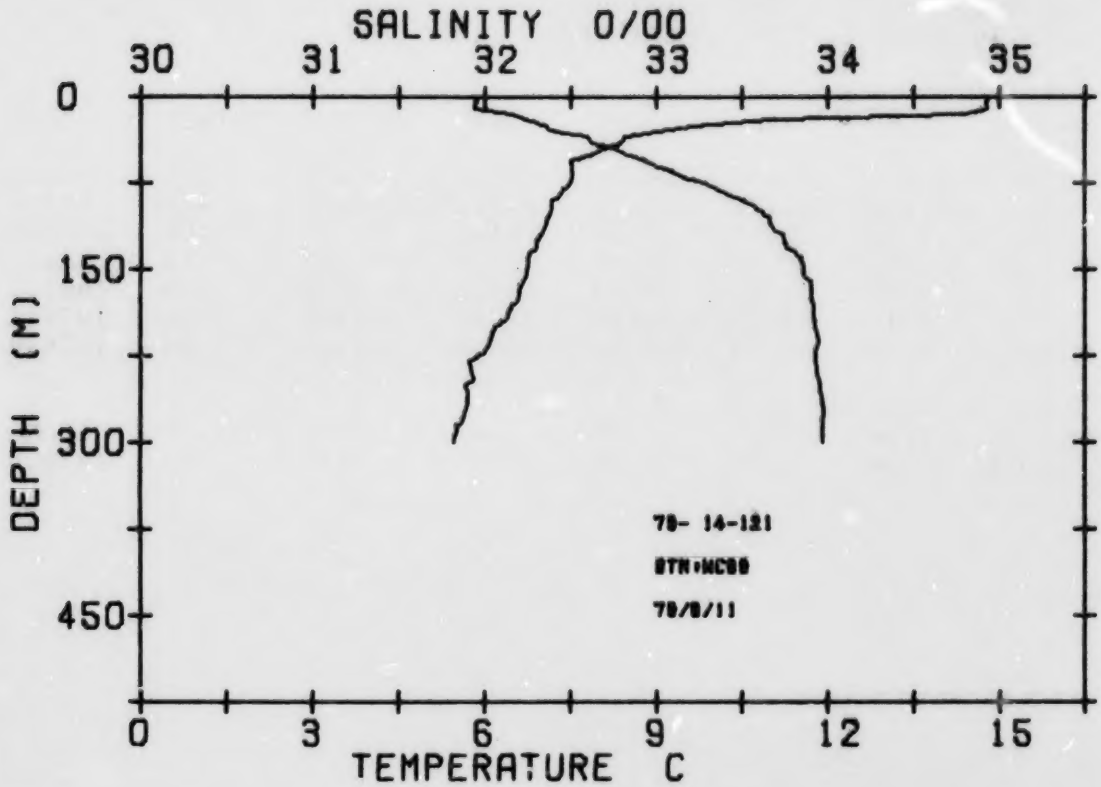

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-120
STN:NC47
79/9/11
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.L. 79-14.
STATION: WC47 CONS #120
LAT N 50 06.0 LONG W 127 58.0
DATE 79/08/11 TIME (PST) 0133

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.36	32.50	24.79	316.9	.00	.00	1492.1
10	10.20	32.72	25.16	281.5	.31	.02	1488.4
20	9.43	32.80	25.36	263.2	.58	.06	1485.8
30	8.95	32.87	25.49	250.9	.84	.12	1484.3
50	7.62	33.31	26.03	199.8	1.28	.29	1480.1
75	7.18	33.57	26.29	174.9	1.75	.58	1479.1
100	6.84	33.77	26.50	155.9	2.16	.94	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.0	6.84	33.77	26.50	155.9	2.16	.95	1478.4


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

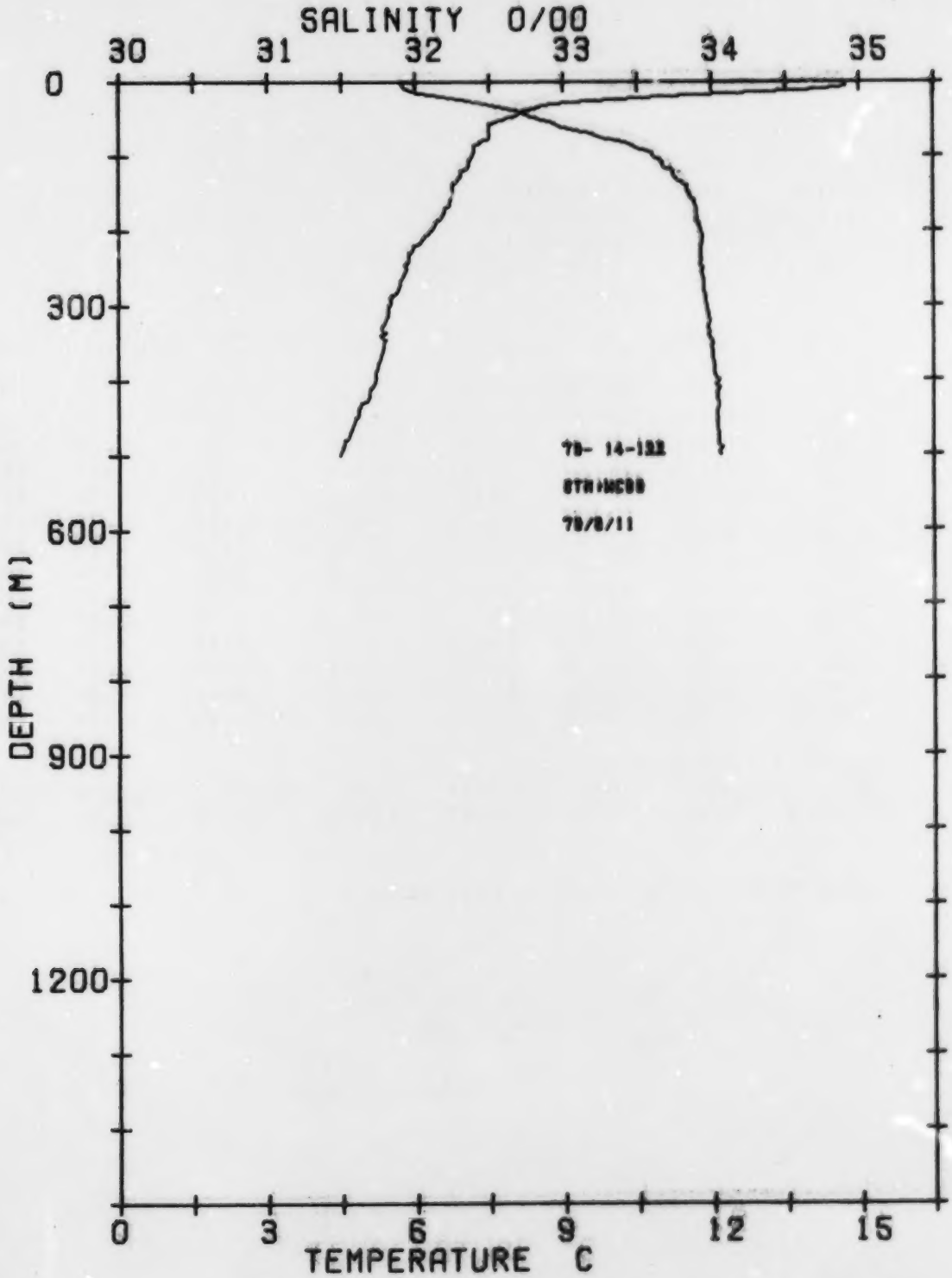
CRUISE : C.O.D.E. 79-14.
STATION: WC69 CONS #121
LAT N 50 07.3 LONG W 128 11.8
DATE 79/08/11 TIME (PST) 0251

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.80	31.95	23.69	421.7	.00	.00	1503.0
10	14.78	31.94	23.69	422.0	.42	.02	1503.1
20	11.02	32.24	24.65	330.6	.81	.08	1490.9
30	9.02	32.40	25.11	287.1	1.11	.15	1483.9
50	7.90	32.81	25.59	240.9	1.63	.36	1480.5
75	7.48	33.29	26.03	200.1	2.18	.70	1479.9
100	7.13	33.62	26.34	170.6	2.64	1.10	1479.4
125	6.90	33.75	26.48	158.2	3.05	1.56	1479.1
150	6.73	33.86	26.58	148.3	3.43	2.09	1478.9
175	6.57	33.91	26.64	143.3	3.79	2.67	1478.8
200	6.19	33.93	26.71	136.7	4.14	3.33	1477.7
225	5.88	33.93	26.75	133.1	4.48	4.05	1476.8
250	5.68	33.96	26.79	129.3	4.81	4.83	1476.5
300	5.46	33.97	26.83	126.1	5.45	6.58	1476.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
300.1	5.46	33.97	26.83	126.1	5.45	6.59	1476.4

WIND MIXED LAYER DEPTH = 13.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-122
STN:MC88
78/8/11
0
3
6
9
12
15
TEMPERATURE C

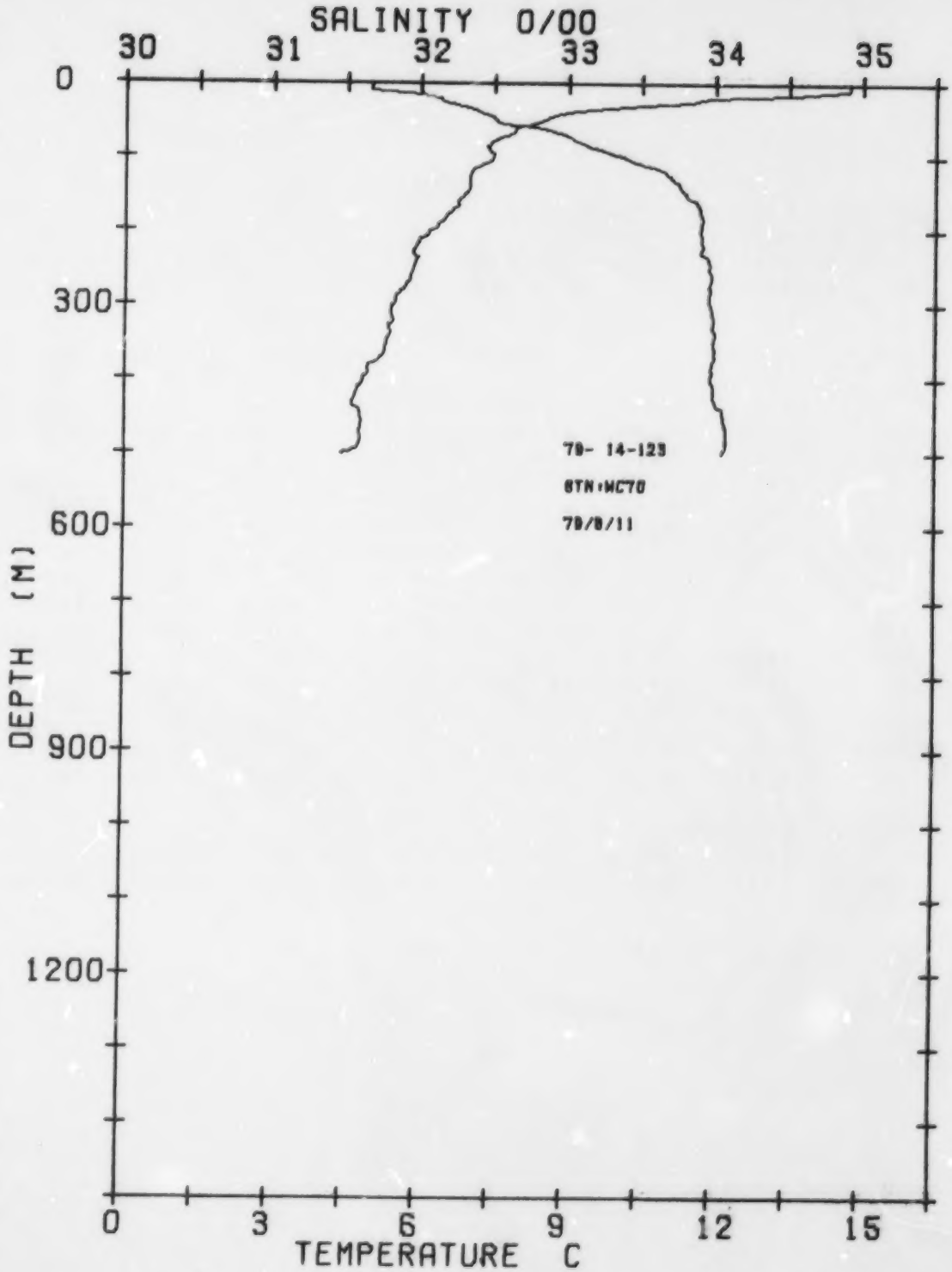
CRUISE : C.O.D.E. 79-14.
STATION: WC69 CONS 4122
LAT N 50 07.3 LONG W 128 11.8
DATE 79/08/11 TIME (PST) 0311

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.68	31.91	23.68	422.1	.00	.00	1502.6
10	14.30	31.94	23.79	412.5	.42	.02	1501.5
20	11.01	32.18	24.61	334.4	.79	.08	1490.8
30	8.73	32.47	25.20	277.7	1.09	.15	1482.9
50	7.80	32.83	25.62	238.3	1.60	.35	1480.1
75	7.49	33.26	26.01	201.9	2.15	.69	1479.9
100	7.14	33.61	26.33	171.4	2.61	1.09	1479.4
125	6.92	33.74	26.46	159.6	3.02	1.55	1479.1
150	6.74	33.85	26.57	149.4	3.40	2.08	1479.0
175	6.58	33.90	26.63	144.1	3.77	2.67	1478.8
200	6.31	33.92	26.69	138.9	4.12	3.34	1478.2
225	5.93	33.93	26.74	134.1	4.46	4.06	1477.0
250	5.81	33.94	26.76	132.4	4.79	4.85	1477.0
300	5.47	33.97	26.83	126.3	5.44	6.63	1476.4
400	5.20	34.05	26.92	118.3	6.67	10.94	1477.1
500	4.47	34.06	27.01	110.5	7.82	16.09	1475.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
500.0	4.47	34.06	27.01	110.5	7.82	16.09	1475.7

WIND MIXED LAYER DEPTH = 7.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 14-123
STN:WC70
79/8/11
0
3
6
9
12
15
TEMPERATURE C

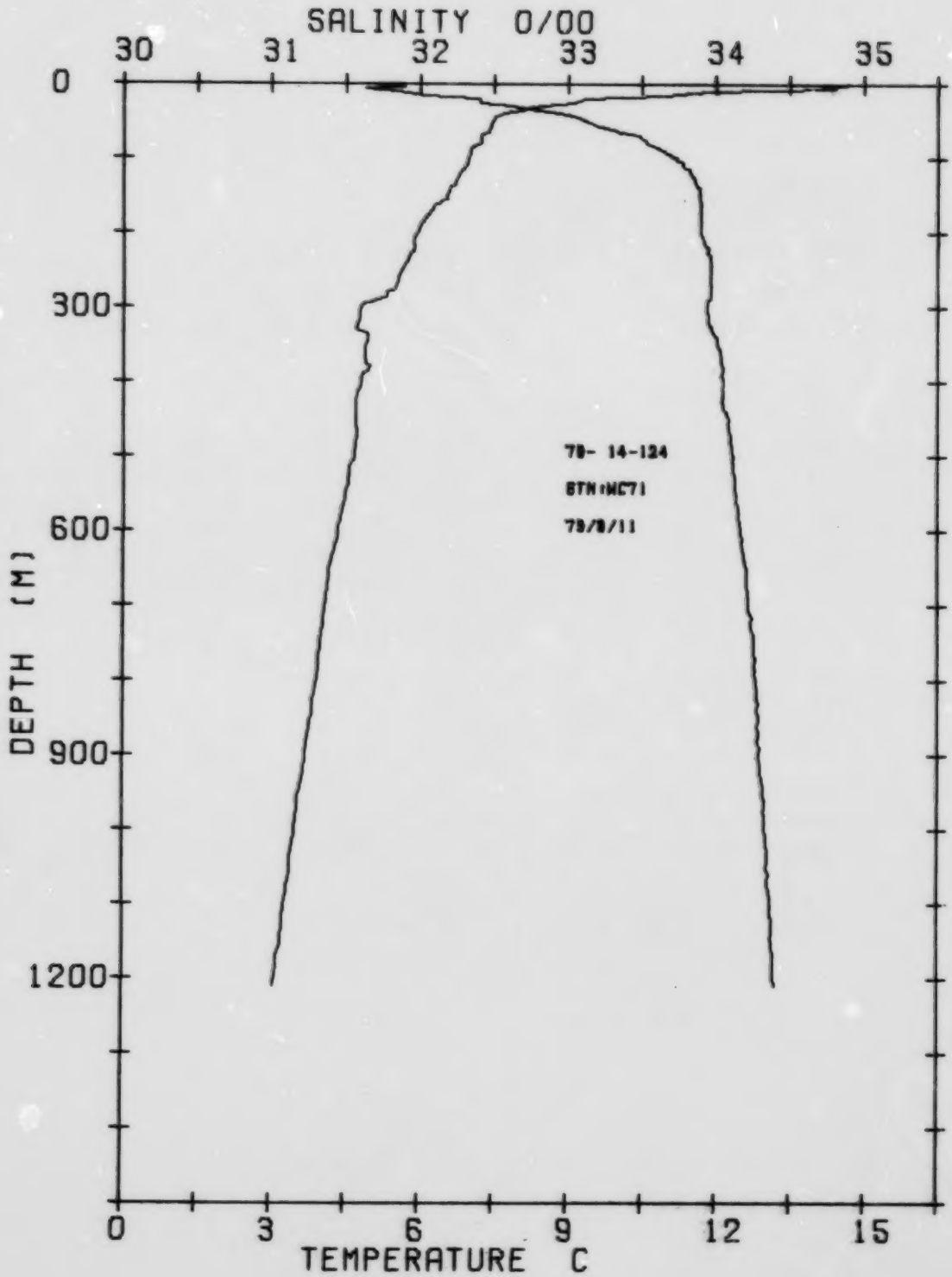
CRUISE : C.O.D.E. 79-14.
STATION: WC70 CONS #123
LAT N 50 09.0 LONG W 128 25.0
DATE 79/08/11 TIME (PST) 0450

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.72	31.67	23.49	440.3	.00	.00	1502.4
10	14.68	31.66	23.49	440.7	.44	.02	1502.4
20	11.82	32.13	24.42	352.3	.84	.08	1493.6
30	10.53	32.25	24.74	321.7	1.18	.16	1489.3
50	8.50	32.51	25.27	272.0	1.75	.39	1482.4
75	7.53	33.02	25.82	220.2	2.36	.77	1479.7
100	7.48	33.38	26.10	193.5	2.88	1.22	1480.4
125	6.99	33.69	26.41	164.4	3.32	1.72	1479.3
150	6.91	33.80	26.51	155.3	3.72	2.27	1479.6
175	6.58	33.90	26.64	143.6	4.09	2.87	1478.8
200	6.20	33.90	26.69	139.0	4.45	3.53	1477.7
225	5.86	33.91	26.73	134.6	4.79	4.25	1476.7
250	5.86	33.96	26.77	131.3	5.12	5.04	1477.2
300	5.42	33.97	26.84	125.6	5.76	6.81	1476.3
400	4.82	33.97	26.91	119.7	6.99	11.11	1475.4
500	4.41	34.05	27.01	110.4	8.13	16.24	1475.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
500.1	4.41	34.05	27.01	110.4	8.13	16.25	1475.5

WIND MIXED LAYER DEPTH = 8.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 14-124
STN:MC71
79/8/11
0
3
6
9
12
15
TEMPERATURE C

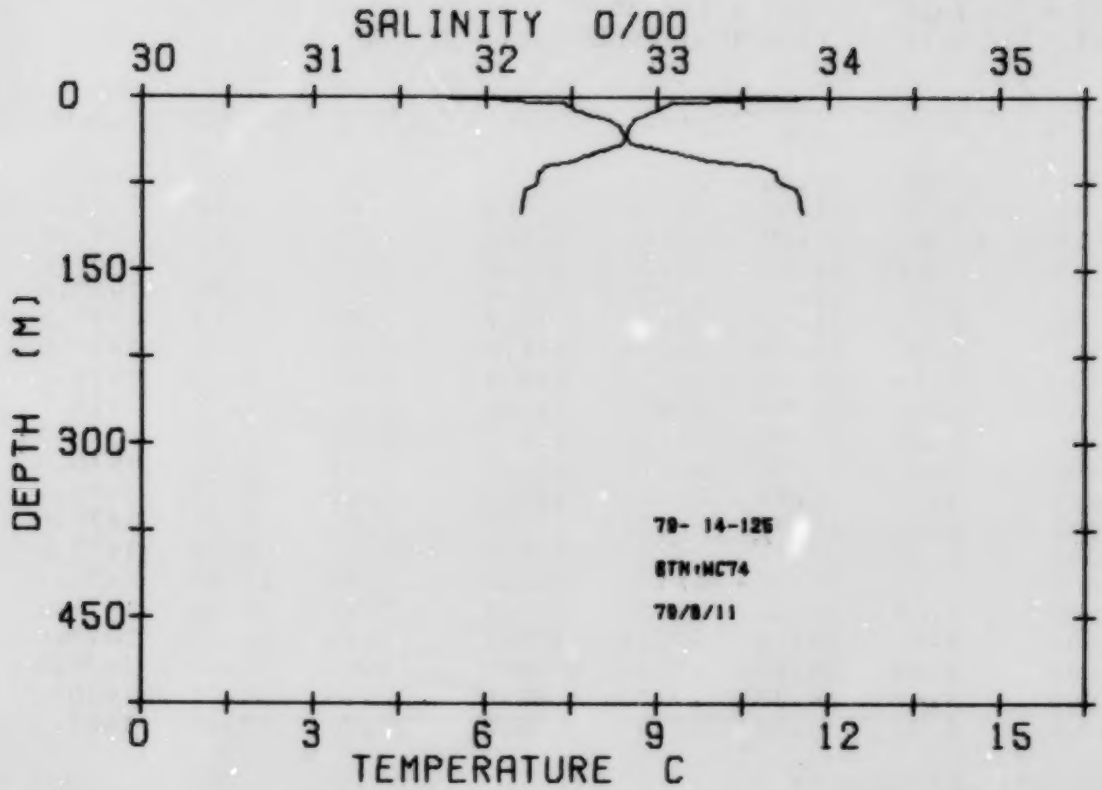
CRUISE : C.O.D.E. 79-14.
STATION: WC71 CONS #124
LAT N 50 16.2 LONG W 128 35.0
DATE 79/08/11 TIME (PST) 0628

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.69	31.86	23.64	425.9	.00	.00	1502.5
10	11.90	31.86	24.20	373.5	.41	.02	1493.3
20	9.40	32.39	25.04	293.2	.75	.07	1485.2
30	8.49	32.63	25.37	262.2	1.04	.14	1482.2
50	7.49	33.12	25.89	212.4	1.50	.32	1479.3
75	7.24	33.52	26.24	179.7	1.99	.63	1479.3
100	6.99	33.73	26.44	161.0	2.41	1.00	1479.0
125	6.79	33.85	26.57	149.4	2.80	1.43	1478.8
150	6.56	33.89	26.63	144.2	3.17	1.94	1478.3
175	6.20	33.90	26.68	139.0	3.52	2.51	1477.3
200	5.97	33.90	26.72	136.2	3.87	3.16	1476.8
225	5.88	33.94	26.76	132.4	4.20	3.87	1476.9
250	5.66	33.97	26.81	128.2	4.52	4.64	1476.4
300	4.84	33.94	26.88	121.5	5.15	6.36	1473.8
400	4.84	34.05	26.96	114.2	6.32	10.46	1475.6
500	4.67	34.12	27.04	108.3	7.44	15.46	1476.6
600	4.34	34.17	27.12	101.1	8.49	21.24	1477.0
800	3.92	34.27	27.24	90.5	10.40	34.55	1478.6
1000	3.47	34.33	27.33	82.6	12.13	50.15	1480.1
1200	3.08	34.39	27.42	75.2	13.71	67.46	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1210.0	3.06	34.40	27.43	74.1	13.78	68.36	1481.9

WIND MIXED LAYER DEPTH = 3.9 METRES

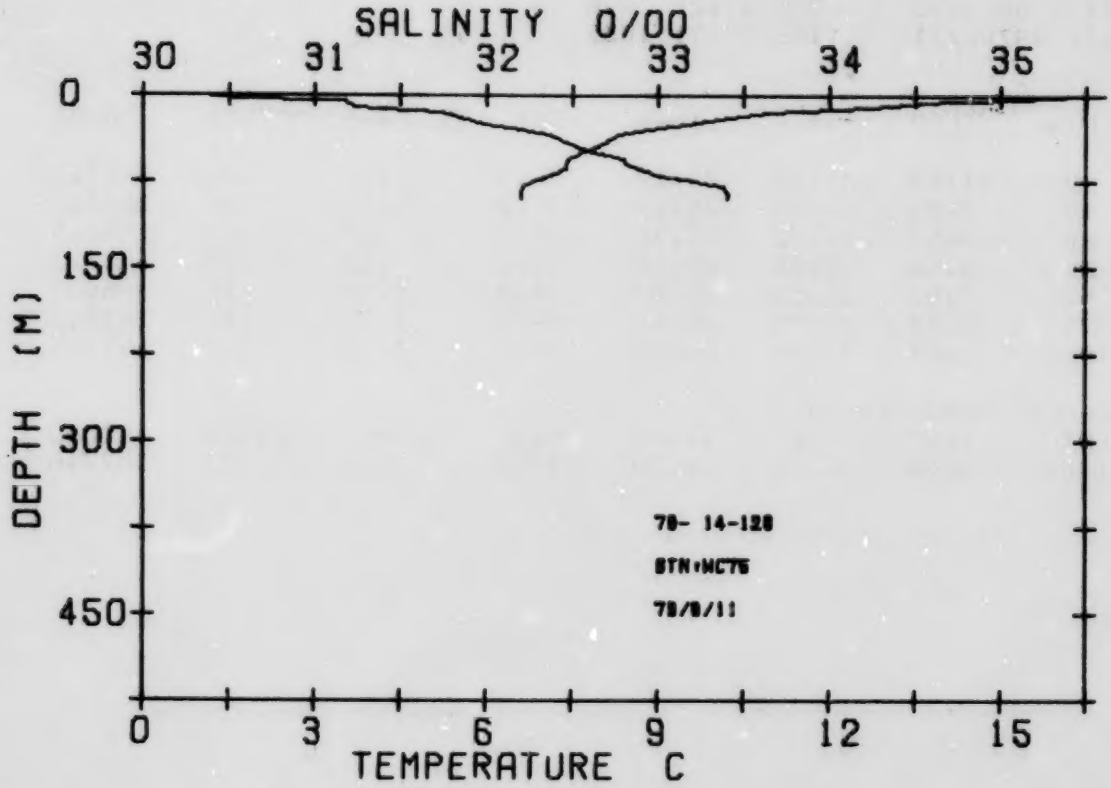

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 14-125
STN:NC74
79/8/11
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-14.
STATION: WC74 CONS #125
LAT N 50 42.3 LONG W 128 34.8
DATE 79/08/11 TIME (PST) 1035

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.69	31.71	24.12	380.3	.00	.00	1492.2
10	9.01	32.51	25.19	278.8	.31	.01	1483.7
20	8.57	32.72	25.42	256.8	.57	.05	1482.5
30	8.46	32.80	25.50	249.6	.83	.12	1482.3
50	7.83	33.15	25.87	214.8	1.30	.31	1480.7
75	6.87	33.73	26.46	159.2	1.74	.58	1478.1
100	6.61	33.85	26.59	147.2	2.12	.91	1477.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.0	6.60	33.85	26.59	147.2	2.12	.91	1477.6


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 14-128
STN:WC76
78/8/11
0
3
6
9
12
15
TEMPERATURE C

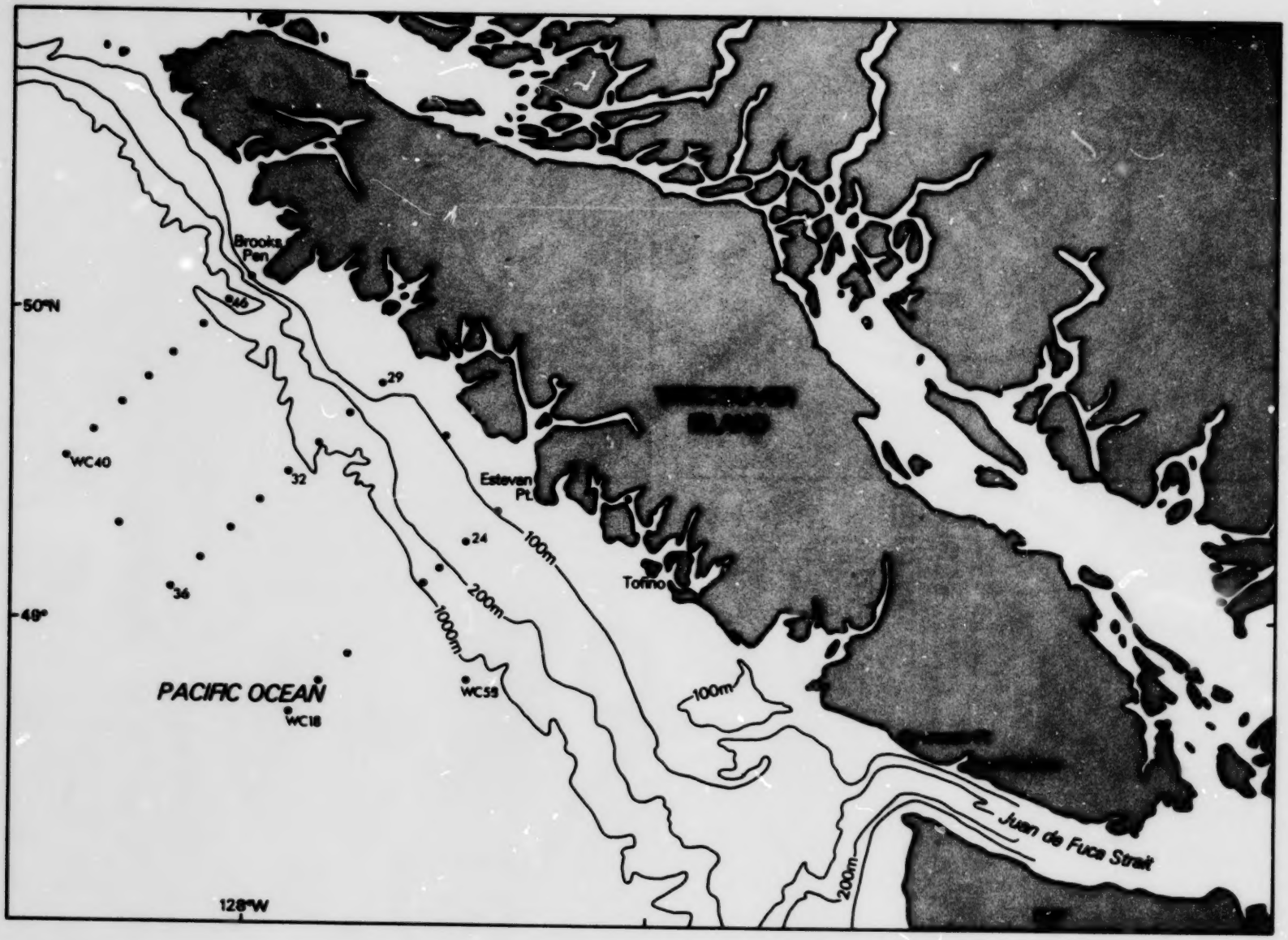
CRUISE : C.O.D.E. 79-14.
STATION: WC75 CONS #126
LAT N 50 56.0 LONG W 128 26.4
DATE 79/08/11 TIME (PST) 1300

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.84	30.11	21.85	597.4	.00	.00	1507.2
10	12.75	31.23	23.55	435.2	.49	.02	1495.5
20	10.30	31.85	24.47	347.4	.87	.08	1487.8
30	8.85	32.21	24.98	298.9	1.19	.16	1483.0
50	7.72	32.62	25.47	252.5	1.74	.38	1479.6
75	6.84	33.22	26.06	196.4	2.30	.73	1477.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	6.60	33.40	26.24	180.2	2.58	.96	1476.8

CRUISE 79-15
SEPTEMBER 1979


Brooks Pen
46
50°N
29
WC40
32
Estevan Pt.
24
100m
200m
1000m
36
Tofino
48°
PACIFIC OCEAN
WC59
WC18
100m
Juan de Fuca Strait
200m
128°W

COASTAL OCEANIC DYNAMICS EXPERIMENT

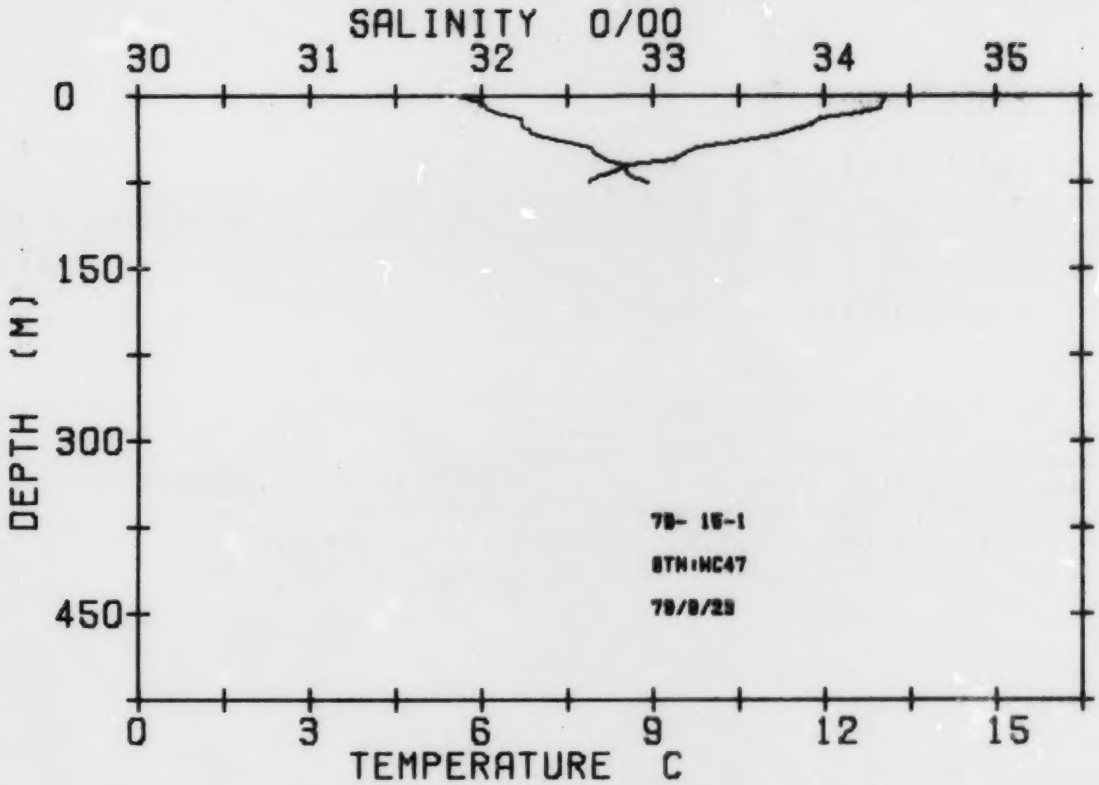
CRUISE 79-15. SEPTEMBER 23 - SEPTEMBER 26 , 1979

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 27
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 80.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 22

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-

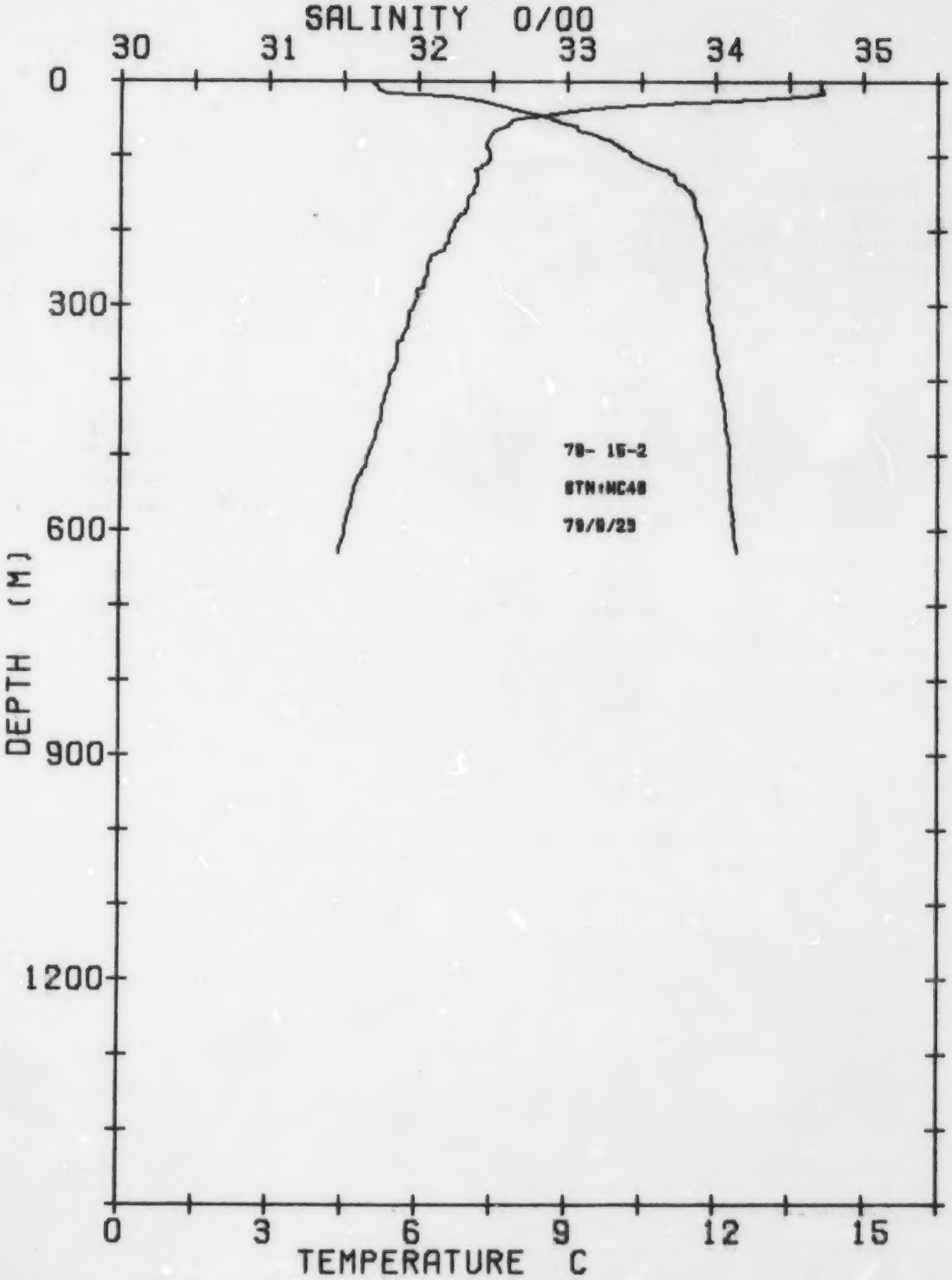

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 16-1
STN:MC47
78/8/23
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-15.
STATION: WC47 CONS #001
LAT N 50 06.0 LONG W 127 58.0
DATE 79/09/23 TIME (PST) 0223

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.05	31.86	23.97	394.4	.00	.00	1497.1
10	12.99	32.03	24.12	380.7	.39	.02	1497.3
20	11.95	32.23	24.47	347.2	.75	.07	1494.1
30	11.47	32.28	24.60	335.2	1.10	.16	1492.7
50	9.58	32.66	25.22	277.1	1.70	.40	1486.7
75	7.90	32.97	25.72	229.7	2.33	.79	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
75.1	7.90	32.97	25.72	229.6	2.33	.79	1481.1


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 15-2
STN:NC48
79/9/29
0
3
6
9
12
15
TEMPERATURE C

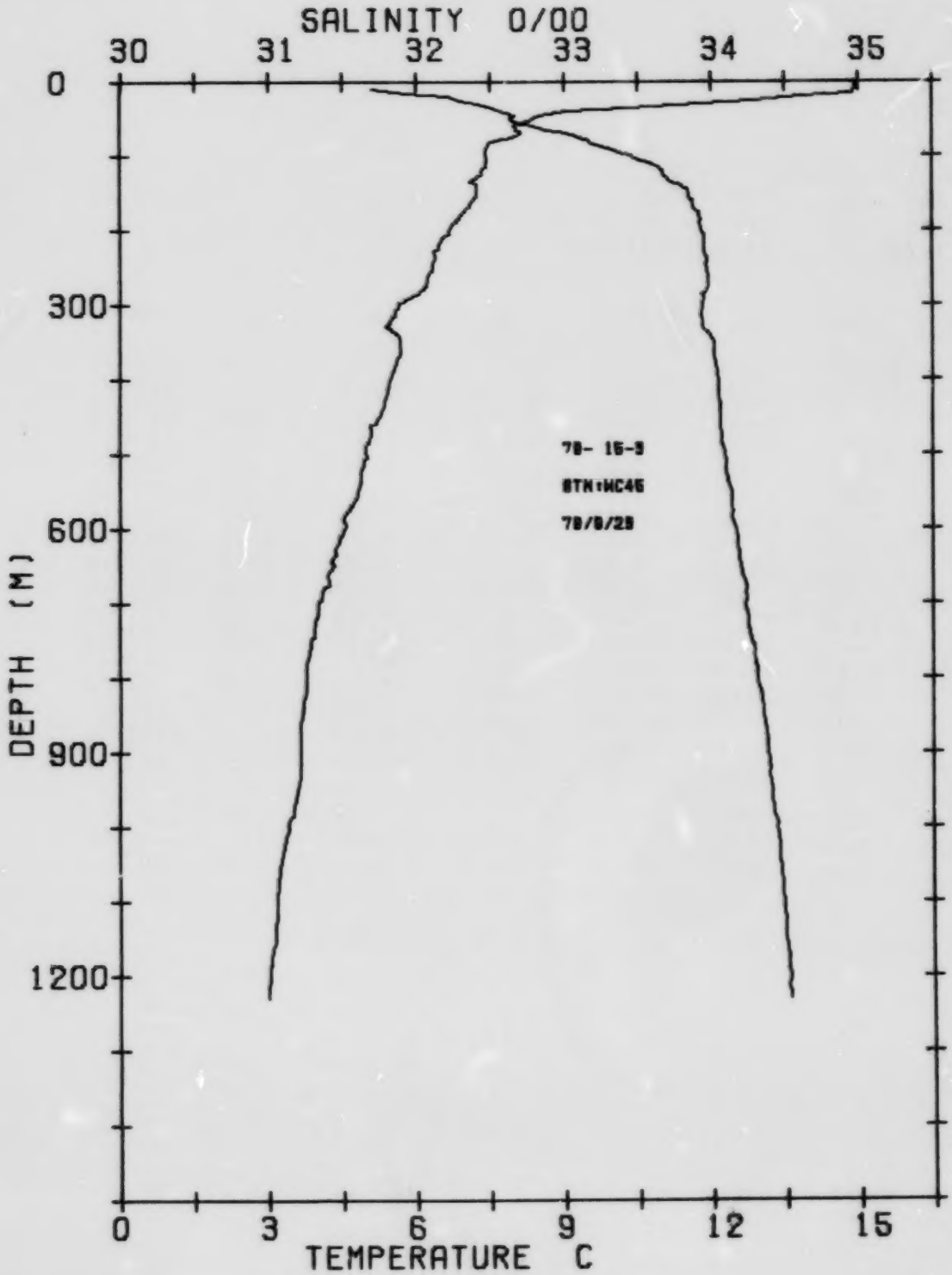
CRUISE : C.O.D.E. 79-15.
STATION: #C46 CONS #002
LAT N 50 01.5 LONG W 128 05.5
DATE 79/09/23 TIME (PST) 0415

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.13	31.68	23.62	427.9	.00	.00	1500.5
10	14.13	31.73	23.66	424.5	.43	.02	1500.7
20	13.81	32.20	24.09	384.3	.84	.08	1500.4
30	10.83	32.50	24.88	308.5	1.18	.17	1490.7
50	7.98	32.90	25.65	235.5	1.72	.38	1480.9
75	7.45	33.23	25.99	203.5	2.27	.72	1479.7
100	7.45	33.44	26.16	188.4	2.75	1.14	1480.4
125	7.20	33.72	26.40	165.1	3.19	1.64	1480.2
150	7.10	33.84	26.51	155.2	3.59	2.19	1480.4
175	6.94	33.88	26.57	150.2	3.97	2.81	1480.2
200	6.66	33.92	26.64	143.5	4.34	3.49	1479.6
225	6.50	33.94	26.67	140.7	4.69	4.25	1479.3
250	6.19	33.94	26.72	136.7	5.04	5.07	1478.5
300	5.90	33.95	26.76	132.8	5.71	6.92	1478.2
400	5.44	34.03	26.88	122.7	6.99	11.37	1478.0
500	5.02	34.10	26.98	113.9	8.17	16.67	1478.1
600	4.52	34.13	27.07	106.1	9.27	22.71	1477.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
630.2	4.40	34.15	27.09	103.7	9.58	24.67	1477.7

WIND MIXED LAYER DEPTH = 17.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 15-3
STN:HC46
78/8/28
0
3
6
9
12
15
TEMPERATURE C

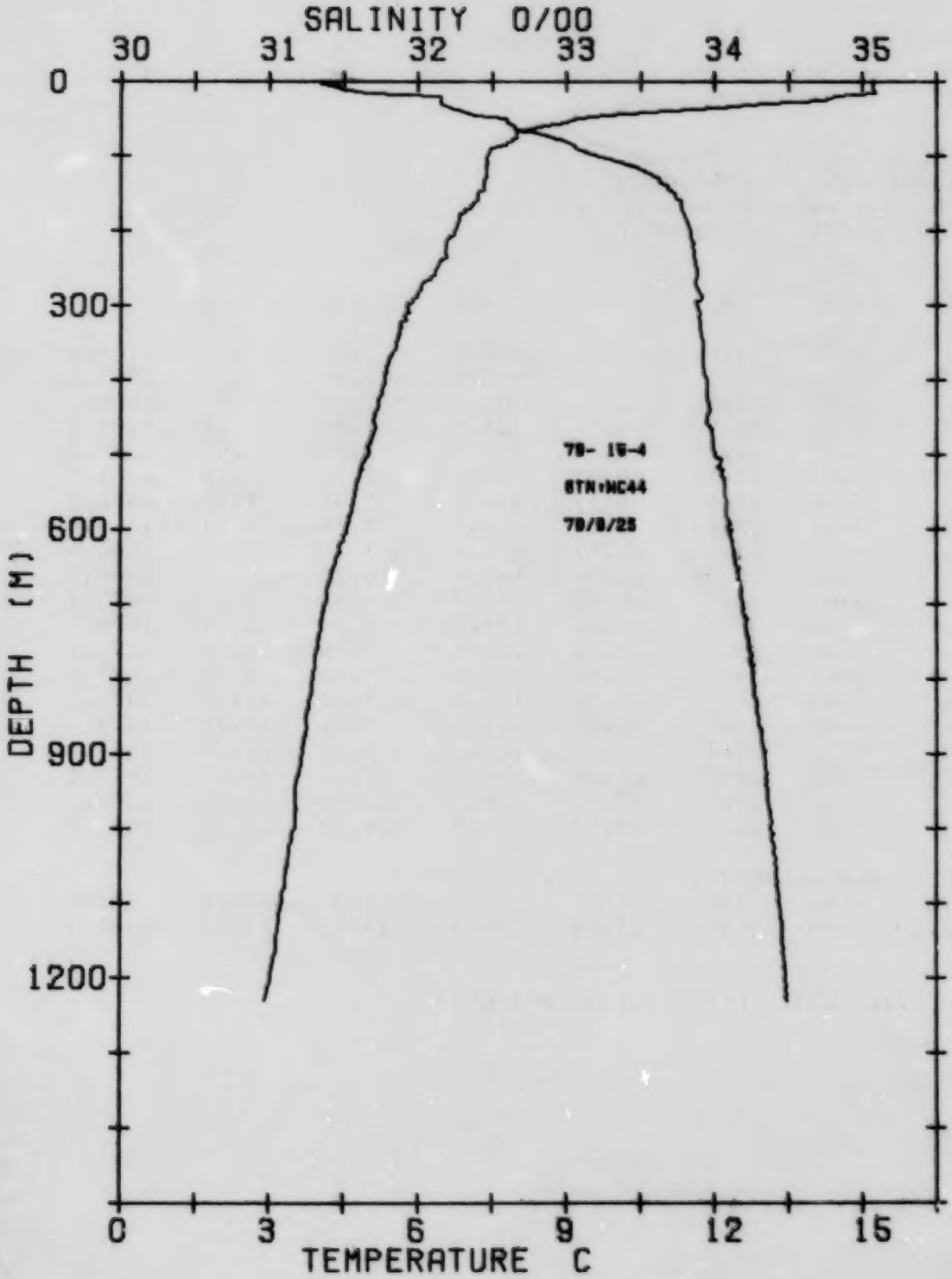
CRUISE : C.O.D.E. 79-15.
STATION: WC45 CONS #003
LAT N 49 57.0 LONG W 128 12.5
DATE 79/09/23 TIME (PST) 0545

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.95	31.69	23.46	443.7	.00	.00	1503.2
10	14.97	31.70	23.46	443.4	.44	.02	1503.4
20	13.87	32.22	24.09	383.8	.86	.08	1500.6
30	11.82	32.42	24.64	331.1	1.22	.17	1494.1
50	8.39	32.65	25.39	260.0	1.79	.40	1482.2
75	7.99	33.11	25.81	220.5	2.39	.77	1481.7
100	7.42	33.46	26.17	186.9	2.90	1.21	1480.3
125	7.31	33.68	26.36	169.4	3.34	1.71	1480.6
150	7.23	33.85	26.51	155.9	3.74	2.26	1480.9
175	7.00	33.91	26.58	148.9	4.12	2.88	1480.5
200	6.69	33.93	26.64	143.3	4.49	3.57	1479.7
225	6.44	33.95	26.69	139.0	4.84	4.31	1479.1
250	6.34	33.97	26.72	136.5	5.18	5.13	1479.1
300	5.67	33.94	26.78	131.5	5.86	6.98	1477.2
400	5.48	34.05	26.89	122.1	7.12	11.41	1478.2
500	4.99	34.09	26.98	113.8	8.31	16.74	1477.9
600	4.55	34.17	27.09	104.2	9.40	22.74	1477.8
800	3.77	34.31	27.28	86.4	11.29	35.89	1478.1
1000	3.42	34.44	27.43	73.7	12.89	50.30	1480.0
1200	3.03	34.53	27.53	64.7	14.27	65.42	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.99	34.53	27.54	64.2	14.46	67.77	1482.1

WIND MIXED LAYER DEPTH = 16.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 15-4
STN:NC44
79/8/25
0
3
6
9
12
15
TEMPERATURE C

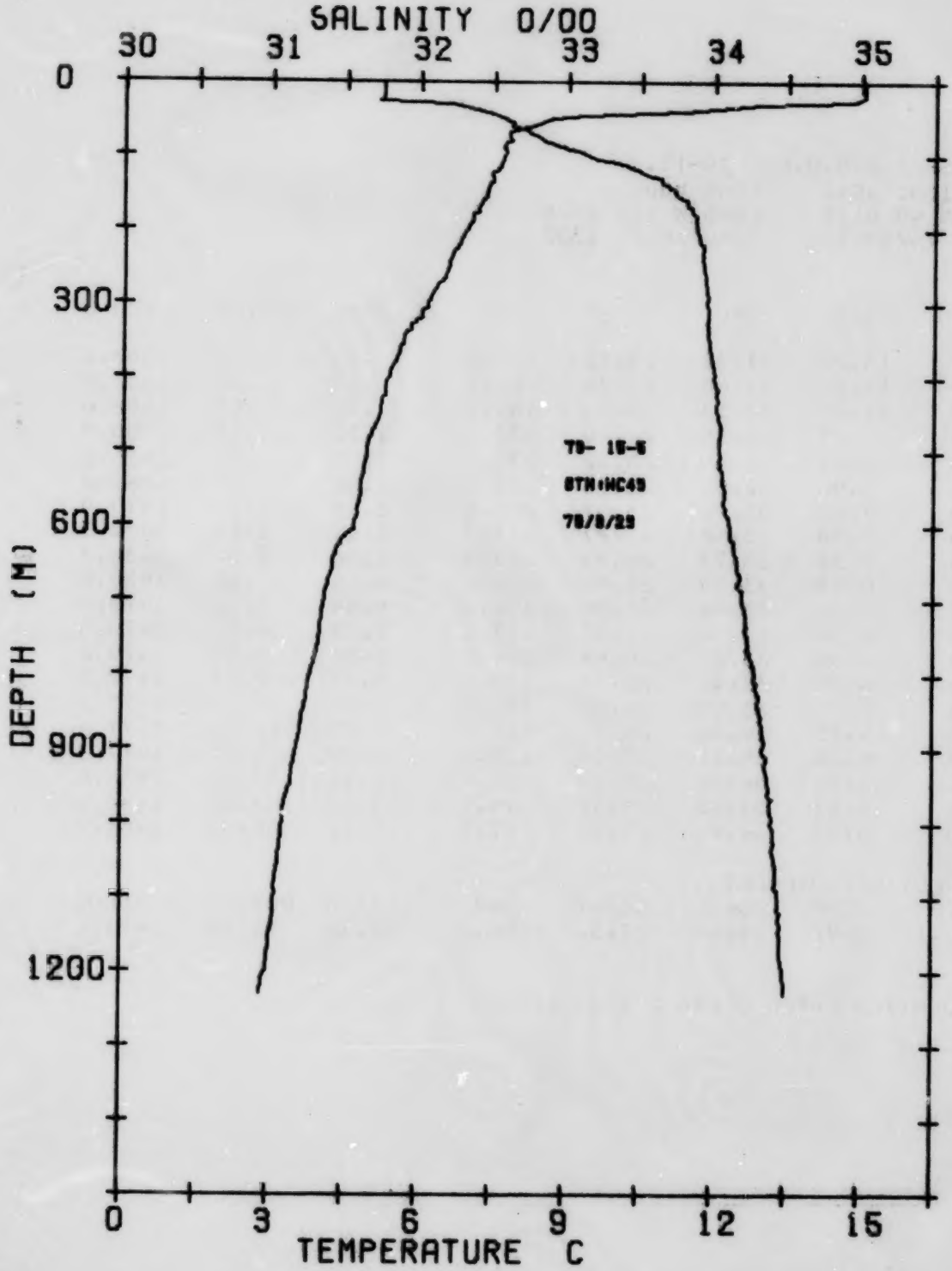
CRUISE : C.O.D.E. 79-15.
STATION: WC44 CONS #004
LAT N 49 51.5 LONG W 128 20.5
DATE 79/09/23 TIME (PST) 1332

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.23	31.32	23.12	476.4	.00	.00	1503.6
10	15.21	31.48	23.24	464.7	.47	.02	1503.9
20	14.49	32.13	23.90	402.2	.91	.09	1502.6
30	13.07	32.15	24.20	373.5	1.30	.19	1498.0
50	9.24	32.59	25.22	277.1	1.96	.44	1485.3
75	7.98	32.90	25.66	235.3	2.60	.84	1481.3
100	7.40	33.20	25.97	205.6	3.15	1.32	1479.9
125	7.38	33.58	26.27	177.7	3.63	1.86	1480.7
150	7.24	33.73	26.41	164.9	4.05	2.44	1480.7
175	6.93	33.79	26.50	156.6	4.46	3.10	1480.0
200	6.76	33.84	26.56	151.2	4.84	3.82	1479.8
225	6.56	33.86	26.60	147.5	5.21	4.61	1479.5
250	6.38	33.88	26.64	144.0	5.58	5.48	1479.2
300	5.79	33.88	26.72	137.0	6.28	7.41	1477.7
400	5.34	33.95	26.83	127.5	7.60	12.03	1477.5
500	5.00	34.00	26.91	121.0	8.85	17.64	1477.8
600	4.56	34.11	27.04	108.5	9.99	23.87	1477.8
800	3.90	34.26	27.24	91.1	11.96	37.65	1478.5
1000	3.53	34.38	27.37	79.5	13.65	52.80	1480.4
1200	3.03	34.48	27.49	67.9	15.11	68.85	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.1	2.92	34.49	27.51	66.1	15.32	71.31	1481.8

WIND MIXED LAYER DEPTH = 18.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

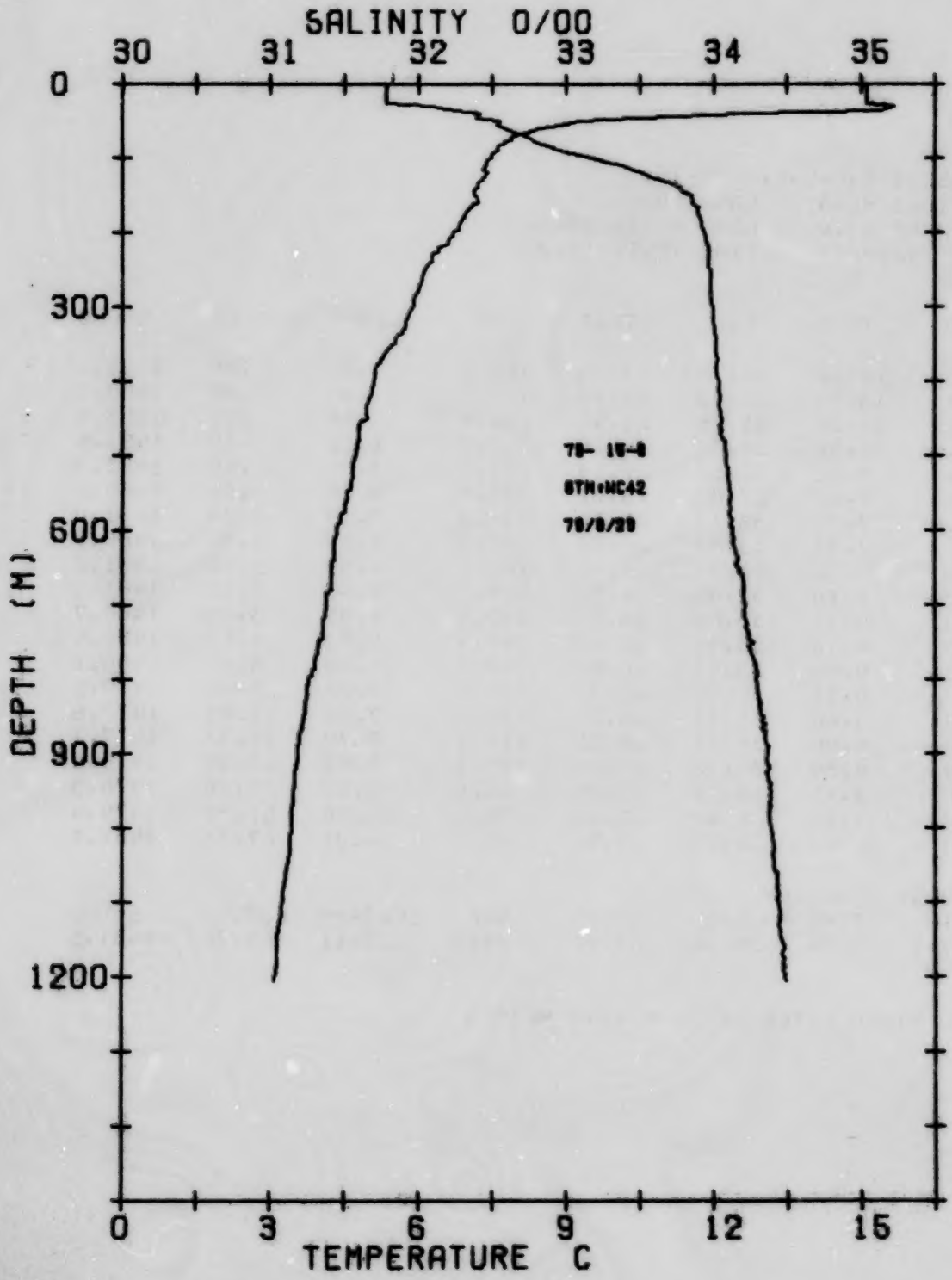
CRUISE : C.O.D.E. 79-15.
STATION: WC43 CONS #005
LAT N 49 47.0 LONG W 128 28.5
DATE 79/09/23 TIME (PST) 1522

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.06	31.75	23.48	441.3	.00	.00	1503.6
10	15.05	31.75	23.49	441.3	.44	.02	1503.7
20	15.05	31.75	23.48	441.8	.88	.09	1503.9
30	12.98	32.21	24.26	367.6	1.31	.19	1497.8
50	8.72	32.57	25.29	270.2	1.94	.44	1483.3
75	7.81	32.81	25.61	239.8	2.58	.84	1480.6
100	7.71	33.13	25.88	214.9	3.15	1.34	1481.0
125	7.44	33.53	26.22	182.3	3.64	1.89	1480.9
150	7.36	33.73	26.40	166.2	4.07	2.48	1481.2
175	7.18	33.85	26.52	155.3	4.47	3.13	1481.1
200	6.97	33.88	26.57	150.5	4.85	3.85	1480.7
225	6.76	33.93	26.63	144.9	5.22	4.63	1480.4
250	6.59	33.93	26.65	142.9	5.58	5.49	1480.1
300	6.16	33.95	26.73	136.6	6.28	7.40	1479.2
400	5.40	34.00	26.86	124.2	7.58	11.93	1477.8
500	4.96	34.04	26.95	117.1	8.78	17.33	1477.7
600	4.69	34.12	27.04	109.3	9.92	23.59	1478.3
800	3.84	34.29	27.26	88.8	11.87	37.20	1478.3
1000	3.29	34.40	27.40	75.6	13.50	51.78	1479.4
1200	2.96	34.49	27.51	66.7	14.91	67.33	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.1	2.85	34.50	27.52	64.9	15.11	69.72	1481.5

WIND MIXED LAYER DEPTH = 22.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:NC42
0
3
6
9
12
15
TEMPERATURE C

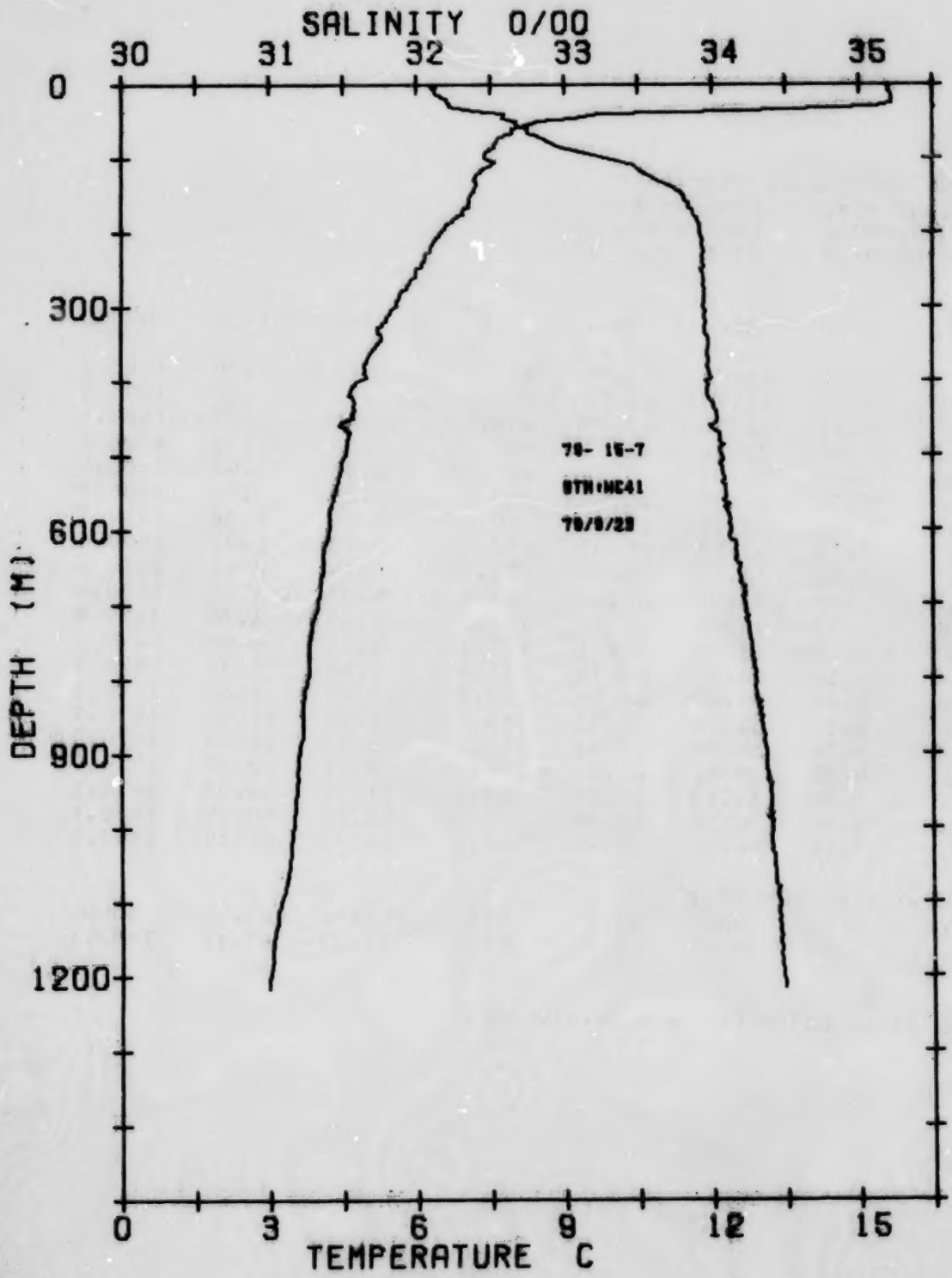
CRUISE : C.O.D.E. 79-15.
STATION: WC42 CONS #006
LAT N 49 42.0 LONG W 128 36.5
DATE 79/09/23 TIME (PST) 2009

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.10	31.78	23.50	440.0	.00	.00	1503.8
10	15.11	31.78	23.50	440.3	.44	.02	1504.0
20	15.11	31.76	23.49	440.8	.88	.09	1504.1
30	15.63	32.08	23.61	429.8	1.32	.20	1506.3
50	9.28	32.54	25.18	280.7	2.03	.48	1485.4
75	7.85	32.77	25.57	243.6	2.69	.88	1480.7
100	7.46	33.18	25.95	208.2	3.26	1.38	1480.1
125	7.34	33.57	26.27	177.5	3.73	1.92	1480.6
150	7.15	33.85	26.52	154.9	4.14	2.48	1480.6
175	6.97	33.90	26.58	148.8	4.53	3.10	1480.4
200	6.73	33.94	26.65	143.1	4.89	3.78	1479.8
225	6.40	33.97	26.71	137.1	5.24	4.53	1479.0
250	6.16	33.98	26.75	133.9	5.58	5.33	1478.5
300	5.90	34.00	26.80	129.7	6.24	7.14	1478.2
400	5.10	34.04	26.92	118.2	7.48	11.47	1476.7
500	4.74	34.09	27.01	111.1	8.63	16.63	1476.9
600	4.35	34.13	27.09	104.2	9.71	22.57	1476.9
800	3.79	34.29	27.27	87.7	11.64	36.03	1478.1
1000	3.44	34.39	27.38	78.2	13.27	50.69	1480.1
1200	3.10	34.48	27.49	68.6	14.73	66.74	1482.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.1	3.09	34.49	27.49	68.0	14.77	67.16	1482.1

WIND MIXED LAYER DEPTH = 34.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 16-7
STN:HC41
0
3
6
9
12
15
TEMPERATURE C

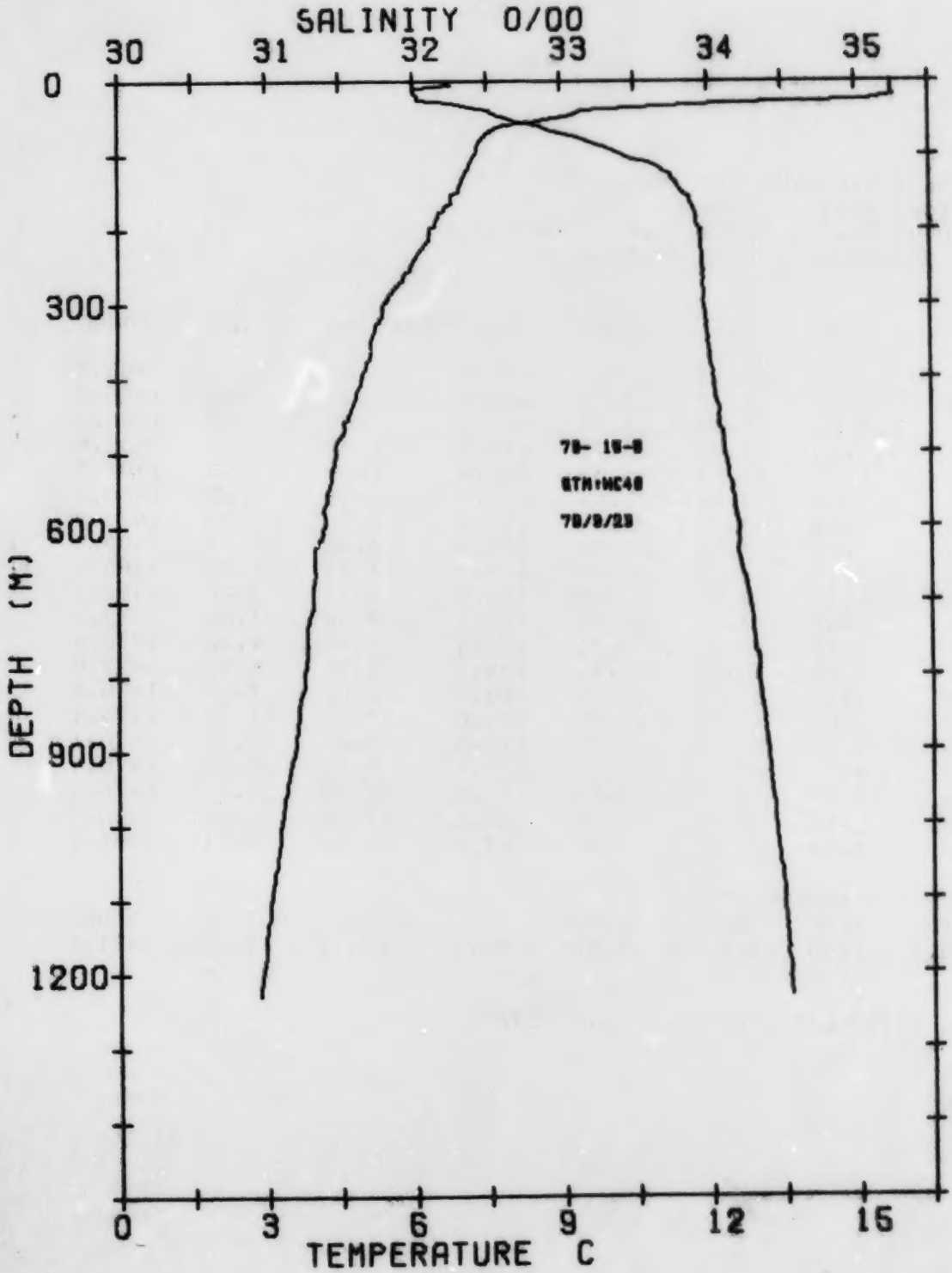
CRUISE : C.O.D.E. 79-15.
STATION: WC41 CONS #007
LAT N 49 36.5 LONG W 128 44.5
DATE 79/09/23 TIME (PST) 2138

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.58	32.13	23.66	424.8	.00	.00	1505.7
10	15.61	32.12	23.65	425.9	.43	.02	1506.0
20	15.66	32.20	23.70	421.2	.85	.08	1506.4
30	15.35	32.22	23.78	413.5	1.27	.19	1505.6
50	8.52	32.67	25.39	260.4	1.89	.43	1482.7
75	7.66	32.88	25.69	232.5	2.51	.82	1480.1
100	7.38	33.29	26.04	199.1	3.05	1.29	1479.9
125	7.20	33.60	26.31	173.8	3.52	1.81	1480.0
150	7.12	33.81	26.49	157.2	3.93	2.38	1480.4
175	6.92	33.88	26.57	149.9	4.31	3.00	1480.1
200	6.53	33.92	26.65	142.3	4.68	3.68	1479.0
225	6.27	33.95	26.71	137.0	5.02	4.42	1478.4
250	6.01	33.93	26.73	135.1	5.36	5.23	1477.8
300	5.57	33.94	26.80	129.6	6.02	7.04	1476.8
400	4.82	33.96	26.89	120.8	7.26	11.36	1475.4
500	4.57	34.07	27.01	110.5	8.40	16.50	1476.1
600	4.23	34.13	27.09	103.1	9.47	22.36	1476.4
800	3.79	34.30	27.27	87.4	11.35	35.47	1478.1
1000	3.50	34.41	27.40	76.9	12.98	50.14	1480.3
1200	3.02	34.48	27.49	67.8	14.44	66.11	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1215.1	2.99	34.49	27.50	66.9	14.54	67.33	1481.8

WIND MIXED LAYER DEPTH = 28.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

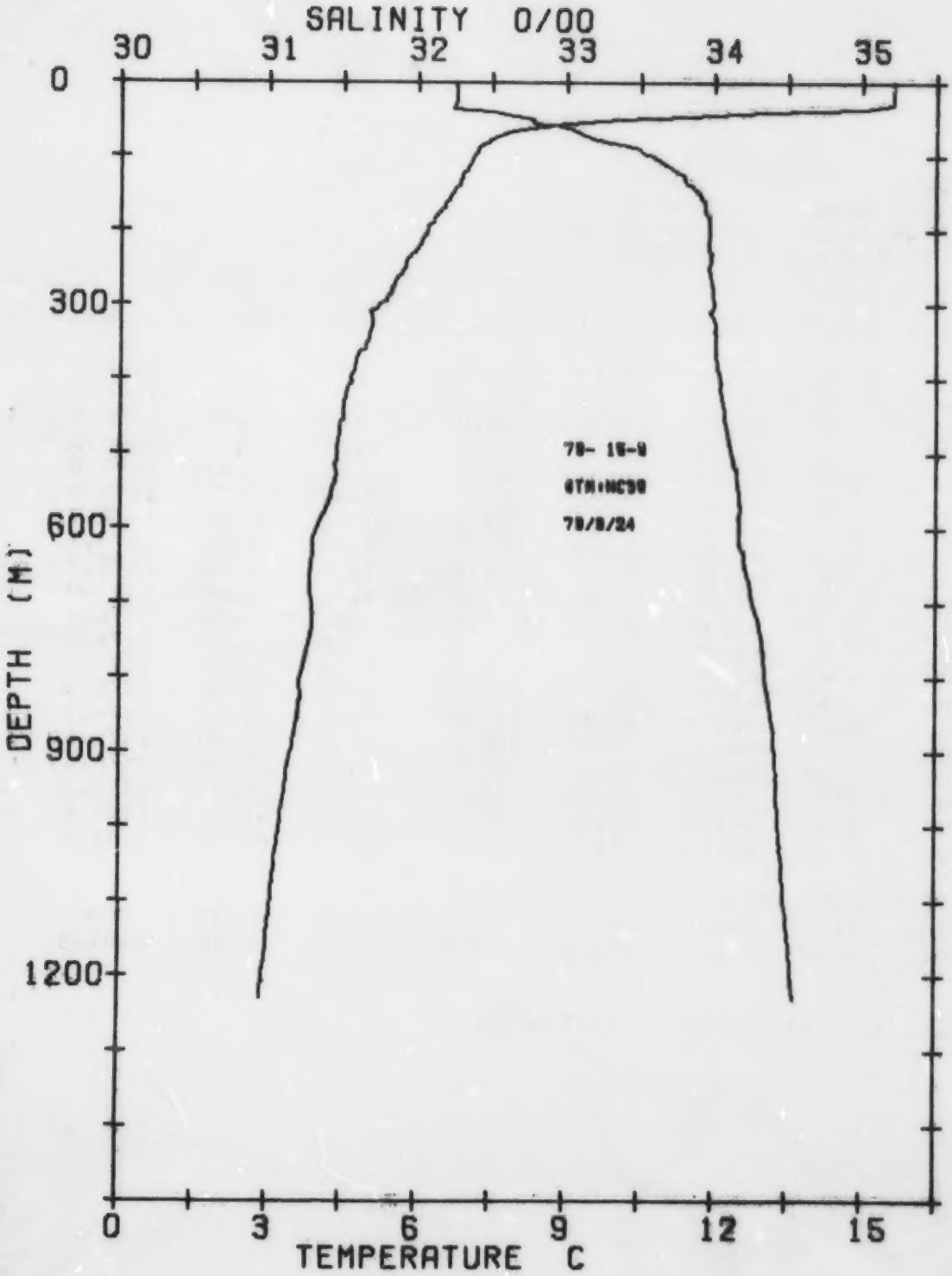
CRUISE : C.O.D.E. 79-15.
STATION: WC40 CONS #008
LAT N 49 31.5 LONG W 128 52.5
DATE 79/09/23 TIME (PST) 2323

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.75	32.21	23.68	422.3	.00	.00	1506.3
10	15.76	32.02	23.53	436.6	.42	.02	1506.3
20	15.77	32.03	23.54	436.0	.86	.09	1506.5
30	12.44	32.27	24.41	353.6	1.27	.19	1496.0
50	8.87	32.63	25.31	268.2	1.87	.42	1484.0
75	7.46	33.12	25.90	212.2	2.46	.79	1479.6
100	7.28	33.43	26.17	187.2	2.96	1.23	1479.7
125	7.07	33.75	26.45	161.0	3.39	1.71	1479.7
150	6.93	33.83	26.54	152.9	3.78	2.25	1479.7
175	6.64	33.91	26.64	143.6	4.15	2.85	1479.0
200	6.37	33.95	26.70	137.9	4.51	3.51	1478.4
225	6.21	33.95	26.72	135.8	4.85	4.24	1478.2
250	5.96	33.96	26.76	132.9	5.18	5.04	1477.6
300	5.43	33.97	26.83	126.2	5.83	6.82	1476.3
400	4.97	34.03	26.94	117.1	7.05	11.07	1476.1
500	4.43	34.10	27.05	106.6	8.17	16.09	1475.6
600	4.20	34.20	27.15	97.5	9.18	21.68	1476.4
800	3.79	34.32	27.29	85.5	11.00	34.36	1478.2
1000	3.31	34.44	27.43	73.0	12.58	48.51	1479.6
1200	2.91	34.53	27.54	63.2	13.93	63.35	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.84	34.54	27.56	61.8	14.12	65.63	1481.5

WIND MIXED LAYER DEPTH = 22.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

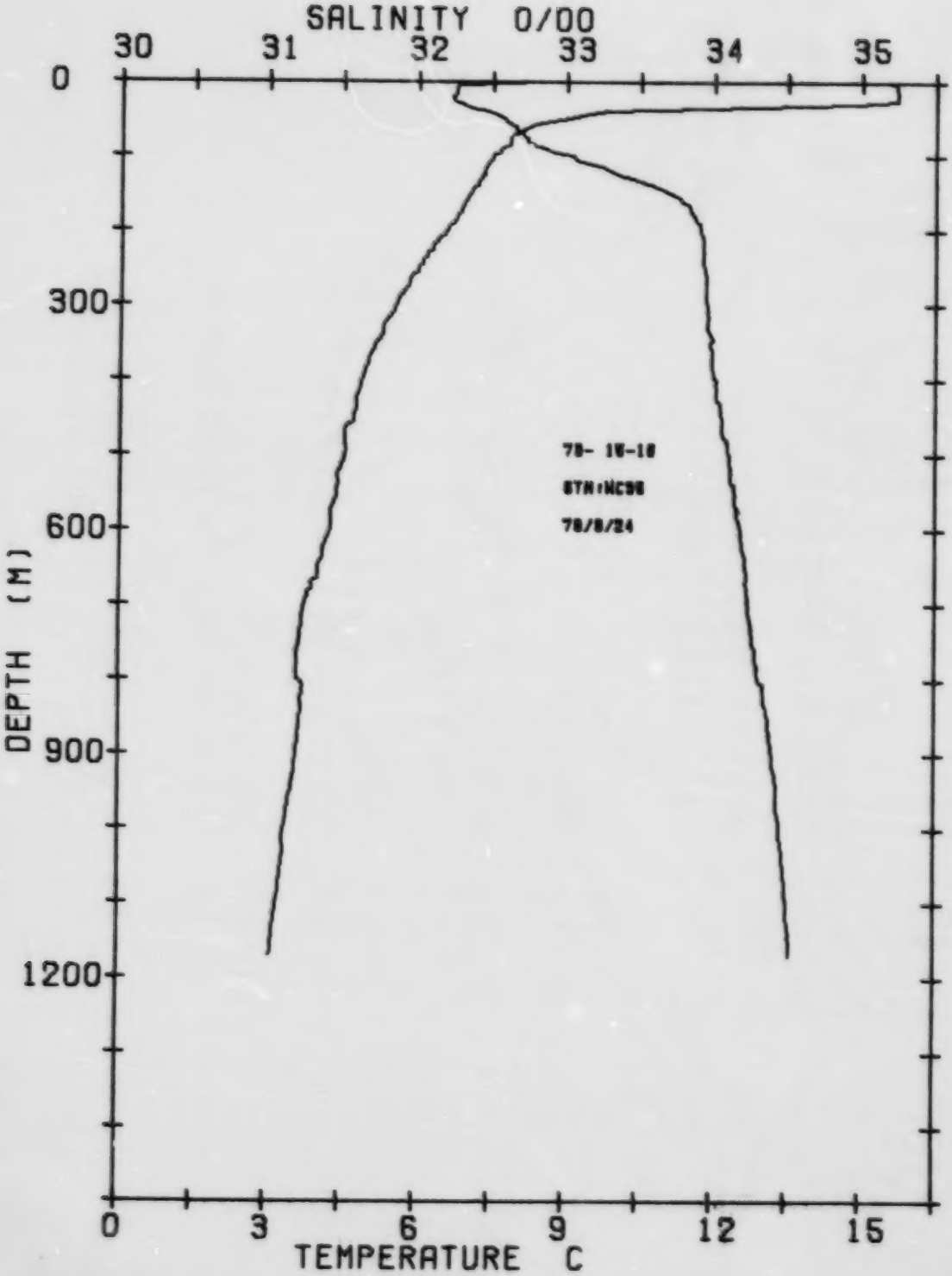
CRUISE : C.O.D.E. 79-15.
STATION: WC38 CONS #009
LAT N 49 18.5 LONG W 128 36.5
DATE 79/09/24 TIME (PST) 0312

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.62	32.25	23.74	416.5	.00	.00	1506.0
10	15.63	32.26	23.75	415.9	.42	.02	1506.2
20	15.63	32.26	23.75	416.5	.83	.08	1506.4
30	15.62	32.25	23.75	416.9	1.25	.19	1506.5
50	10.11	32.78	25.22	276.3	1.95	.46	1488.8
75	7.54	33.18	25.94	208.6	2.54	.83	1480.0
100	7.16	33.58	26.31	173.9	3.02	1.24	1479.4
125	6.92	33.79	26.50	156.1	3.43	1.70	1479.2
150	6.71	33.90	26.61	145.6	3.81	2.22	1478.9
175	6.46	33.94	26.68	139.1	4.16	2.80	1478.4
200	6.22	33.97	26.73	134.5	4.50	3.44	1477.8
225	6.00	33.96	26.76	132.4	4.84	4.14	1477.4
250	5.75	33.96	26.79	129.7	5.16	4.92	1476.8
300	5.24	34.00	26.88	121.8	5.79	6.64	1475.6
400	4.66	34.04	26.98	112.5	6.97	10.76	1474.9
500	4.38	34.12	27.07	104.9	8.06	15.66	1475.4
600	3.98	34.17	27.15	97.3	9.07	21.19	1475.5
800	3.66	34.35	27.33	81.8	10.86	33.67	1477.6
1000	3.25	34.44	27.44	71.9	12.38	47.36	1479.3
1200	2.91	34.53	27.55	62.7	13.73	62.14	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.87	34.55	27.56	61.5	13.91	64.40	1481.7

WIND MIXED LAYER DEPTH = 32.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

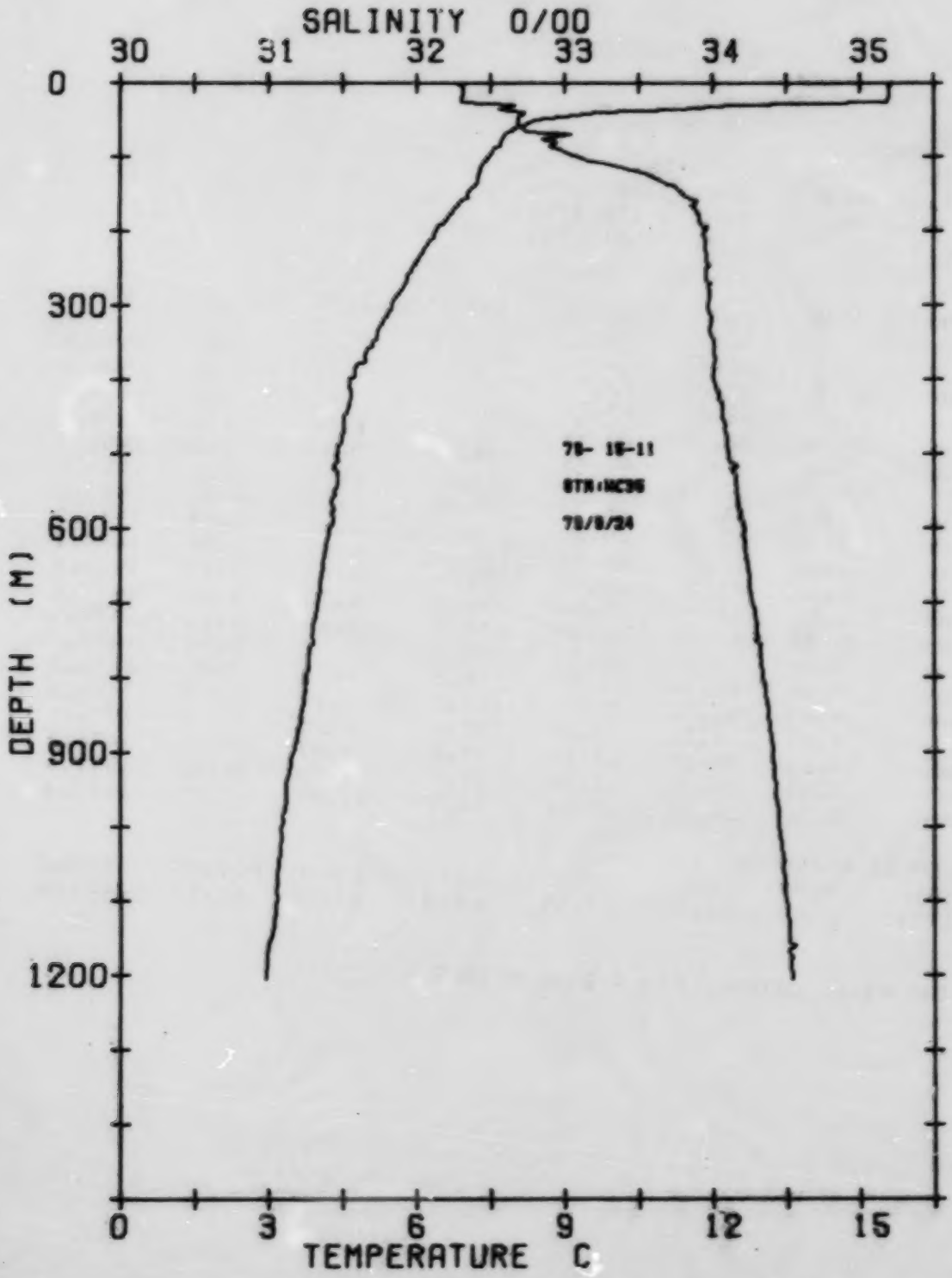
CRUISE : C.O.D.E. 79-15.
STATION: WC36 CONS #010
LAT N 49 06.5 LONG W 128 21.0
DATE 79/09/24 TIME (PST) 0701

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.56	32.77	24.16	377.1	.00	.00	1506.4
10	15.70	32.25	23.73	418.3	.41	.02	1506.4
20	15.72	32.23	23.71	420.2	.83	.08	1506.6
30	14.91	32.30	23.94	398.6	1.24	.19	1504.3
50	9.08	32.58	25.24	274.8	1.87	.43	1484.7
75	7.89	32.73	25.53	247.1	2.51	.83	1480.8
100	7.53	33.05	25.83	219.0	3.11	1.35	1480.2
125	7.34	33.35	26.10	194.2	3.62	1.93	1480.2
150	7.08	33.71	26.42	164.2	4.07	2.54	1480.1
175	6.88	33.85	26.55	151.7	4.46	3.17	1479.9
200	6.61	33.91	26.64	144.0	4.82	3.86	1479.4
225	6.30	33.93	26.69	138.7	5.18	4.61	1478.5
250	6.04	33.94	26.73	135.3	5.52	5.42	1477.9
300	5.59	33.96	26.80	128.9	6.18	7.23	1476.9
400	4.89	34.02	26.93	117.2	7.41	11.53	1475.8
500	4.54	34.11	27.04	107.4	8.53	16.59	1476.1
600	4.26	34.19	27.14	99.3	9.57	22.26	1476.6
800	3.61	34.31	27.30	84.3	11.38	34.92	1477.4
1000	3.36	34.46	27.44	72.1	12.94	48.89	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1170.0	3.09	34.53	27.53	64.8	14.10	61.47	1481.6

WIND MIXED LAYER DEPTH = 28.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

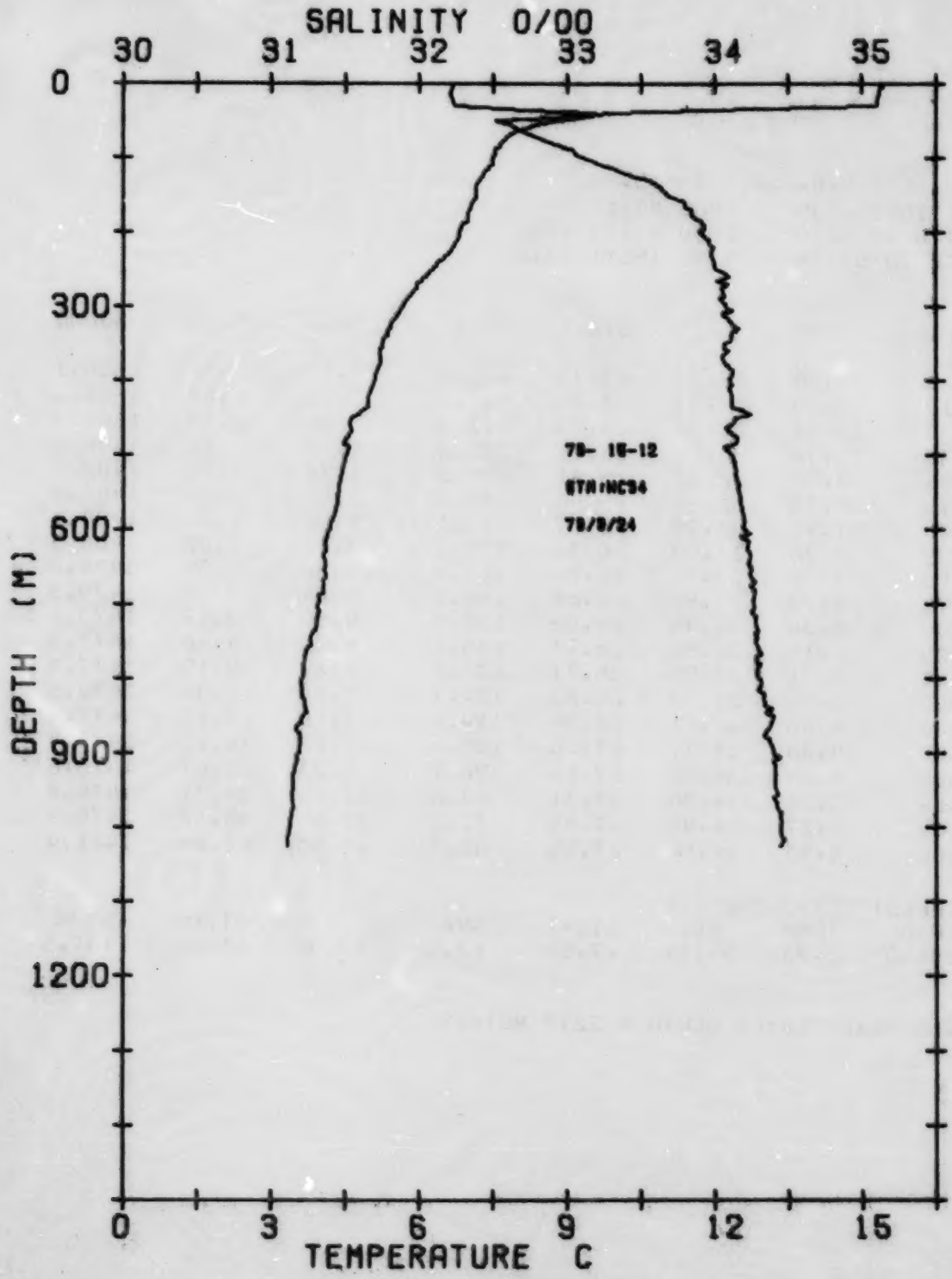
CRUISE : C.O.D.E. 79-15.
STATION: #C35 CONS #011
LAT N 49 12.0 LONG W 128 12.5
DATE 79/09/24 TIME (PST) 1015

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.64	32.27	23.75	415.6	.00	.00	1506.1
10	15.59	32.31	23.80	411.7	.41	.02	1506.1
20	15.61	32.30	23.79	412.9	.82	.08	1506.3
30	12.48	32.66	24.71	325.3	1.22	.18	1496.6
50	8.43	32.66	25.41	258.1	1.79	.41	1482.4
75	7.73	32.84	25.64	236.5	2.40	.78	1480.3
100	7.49	33.09	25.87	215.1	2.96	1.28	1480.1
125	7.26	33.59	26.30	175.2	3.45	1.82	1480.3
150	7.02	33.80	26.50	156.7	3.86	2.39	1480.0
175	6.72	33.90	26.61	146.0	4.24	3.00	1479.3
200	6.38	33.94	26.69	138.9	4.60	3.67	1478.4
225	6.14	33.95	26.73	135.1	4.94	4.40	1477.9
250	5.91	33.96	26.77	132.0	5.27	5.19	1477.4
300	5.50	33.97	26.83	126.7	5.92	6.96	1476.6
400	4.66	34.01	26.96	114.7	7.12	11.17	1474.8
500	4.38	34.11	27.06	105.4	8.22	16.11	1475.4
600	4.24	34.22	27.16	96.7	9.23	21.67	1476.6
800	3.76	34.34	27.31	83.6	11.05	34.31	1478.0
1000	3.27	34.45	27.45	71.3	12.59	48.12	1479.4
1200	2.93	34.54	27.55	62.7	13.93	62.84	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.0	2.93	34.54	27.55	62.6	13.96	63.22	1481.5

*IND MIXED LAYER DEPTH = 22.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

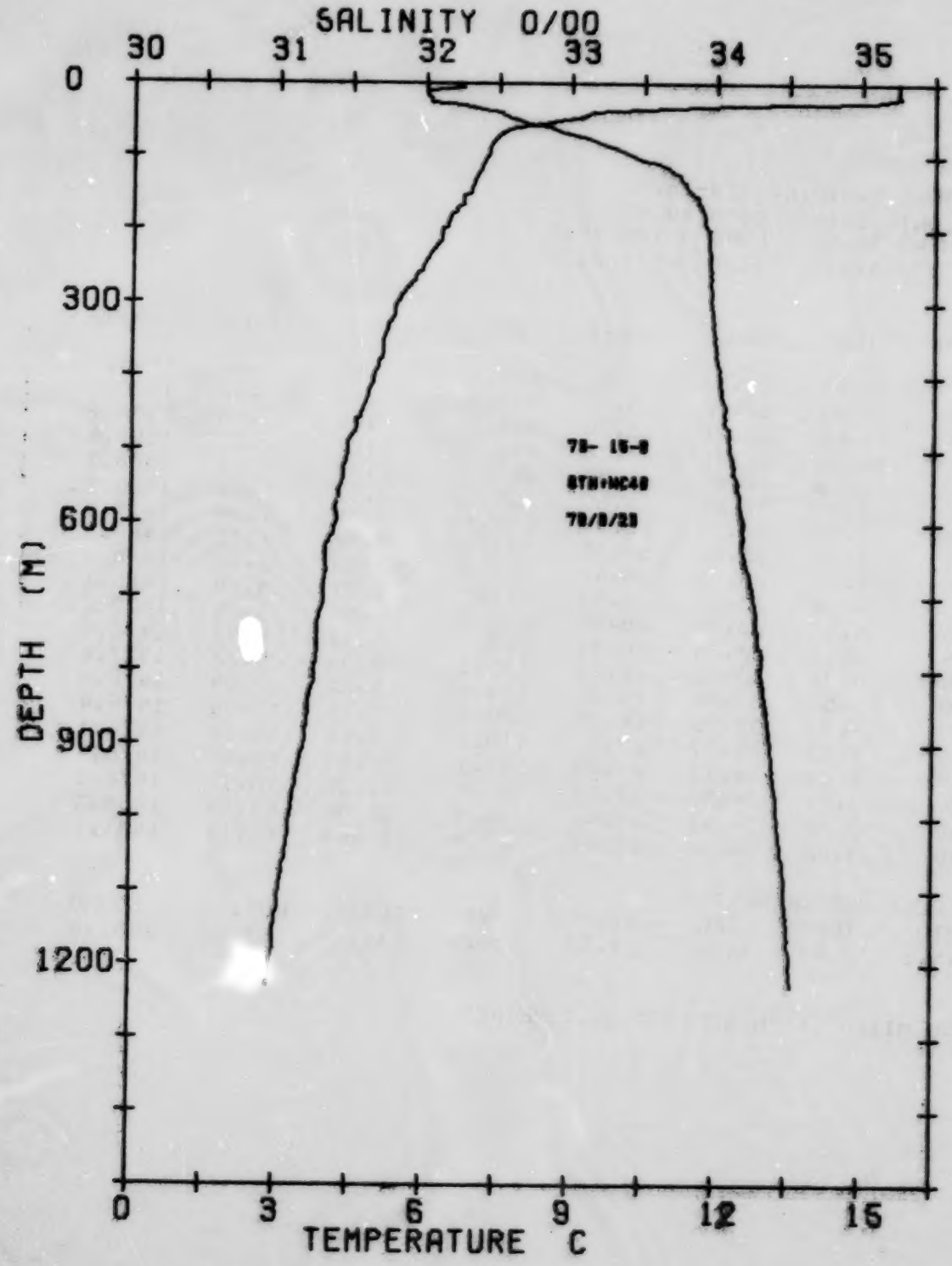
CRUISE : C.O.D.E. 79-15.
STATION: WC41 CONS #007
LAT N 49 36.5 LONG W 128 44.5
DATE 79/09/23 TIME (PST) 2138

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.58	32.13	23.66	424.8	.00	.00	1505.7
10	15.61	32.12	23.65	425.9	.43	.02	1506.0
20	15.66	32.20	23.70	421.2	.85	.08	1506.4
30	15.35	32.22	23.78	413.5	1.27	.19	1505.6
50	8.52	32.67	25.39	260.4	1.89	.43	1482.7
75	7.66	32.88	25.69	232.5	2.51	.82	1480.1
100	7.38	33.29	26.04	199.1	3.05	1.29	1479.9
125	7.20	33.60	26.31	173.8	3.52	1.81	1480.0
150	7.12	33.81	26.49	157.2	3.93	2.38	1480.4
175	6.92	33.88	26.57	149.9	4.31	3.00	1480.1
200	6.53	33.92	26.65	142.3	4.68	3.68	1479.0
225	6.27	33.95	26.71	137.0	5.02	4.42	1478.4
250	6.01	33.93	26.73	135.1	5.36	5.23	1477.8
300	5.57	33.94	26.80	129.6	6.02	7.04	1476.8
400	4.82	33.96	26.89	120.8	7.26	11.36	1475.4
500	4.57	34.07	27.01	110.5	8.40	16.50	1476.1
600	4.23	34.13	27.09	103.1	9.47	22.36	1476.4
800	3.79	34.30	27.27	87.4	11.35	35.47	1478.1
1000	3.50	34.41	27.40	76.9	12.98	50.14	1480.3
1200	3.02	34.48	27.49	67.8	14.44	66.11	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1215.1	2.99	34.49	27.50	66.9	14.54	67.33	1481.8

WIND MIXED LAYER DEPTH = 28.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

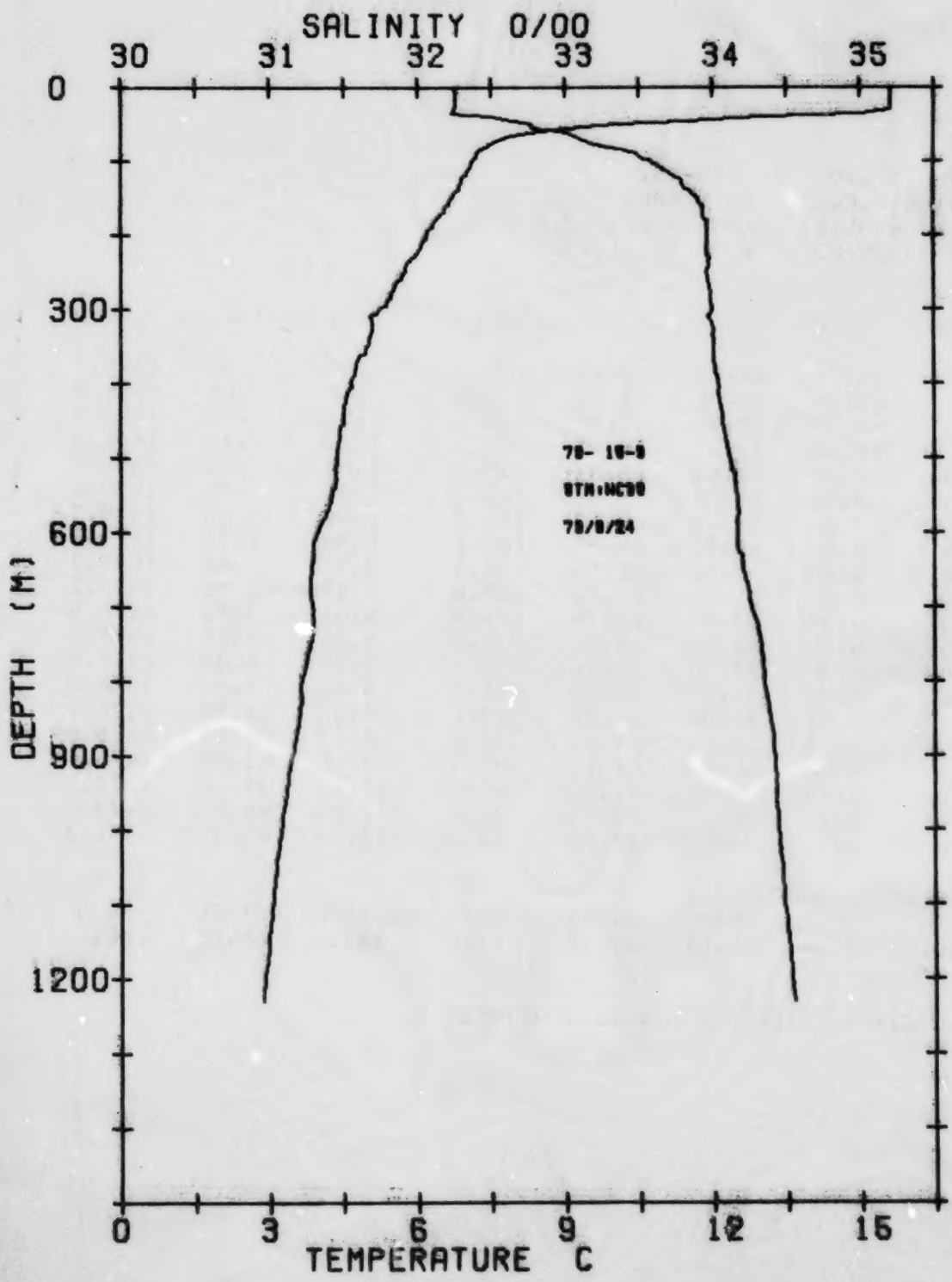
CRUISE : C.O.D.E. 79-15.
STATION: WC40 CONS #008
LAT N 49 31.5 LONG W 128 52.5
DATE 79/09/23 TIME (PST) 2323

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.75	32.21	23.68	422.3	.00	.00	1506.3
10	15.76	32.02	23.53	436.6	.42	.02	1506.3
20	15.77	32.03	23.54	436.0	.86	.09	1506.5
30	12.44	32.27	24.41	353.6	1.27	.19	1496.0
50	8.87	32.63	25.31	268.2	1.87	.42	1484.0
75	7.46	33.12	25.90	212.2	2.46	.79	1479.6
100	7.28	33.43	26.17	187.2	2.96	1.23	1479.7
125	7.07	33.75	26.45	161.0	3.39	1.71	1479.7
150	6.93	33.83	26.54	152.9	3.78	2.25	1479.7
175	6.64	33.91	26.64	143.6	4.15	2.85	1479.0
200	6.37	33.95	26.70	137.9	4.51	3.51	1478.4
225	6.21	33.95	26.72	135.8	4.85	4.24	1478.2
250	5.96	33.96	26.76	132.9	5.18	5.04	1477.6
300	5.43	33.97	26.83	126.2	5.83	6.82	1476.3
400	4.97	34.03	26.94	117.1	7.05	11.07	1476.1
500	4.43	34.10	27.05	106.6	8.17	16.09	1475.6
600	4.20	34.20	27.15	97.5	9.18	21.68	1476.4
800	3.79	34.32	27.29	85.5	11.00	34.36	1478.2
1000	3.31	34.44	27.43	73.0	12.58	48.51	1479.6
1200	2.91	34.53	27.54	63.2	13.93	63.35	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.84	34.54	27.56	61.8	14.12	65.63	1481.5

WIND MIXED LAYER DEPTH = 22.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

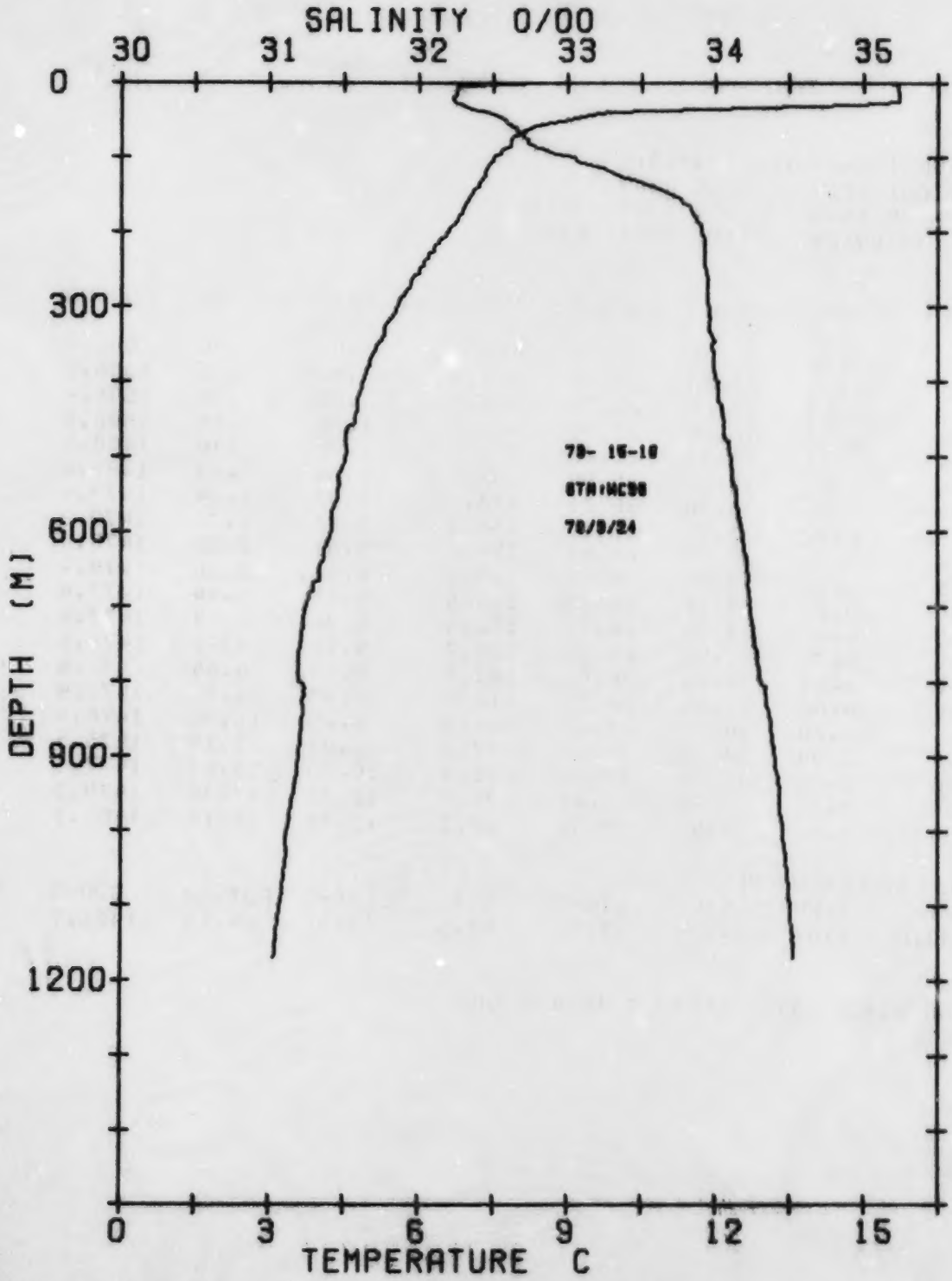
CRUISE : C.O.D.E. 79-15.
STATION: WC38 CONS #009
LAT N 49 18.5 LONG W 128 36.5
DATE 79/09/24 TIME (PST) 0312

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.62	32.25	23.74	416.5	.00	.00	1506.0
10	15.63	32.26	23.75	415.9	.42	.02	1506.2
20	15.63	32.26	23.75	416.5	.83	.08	1506.4
30	15.62	32.25	23.75	416.9	1.25	.19	1506.5
50	10.11	32.78	25.22	276.3	1.95	.46	1488.8
75	7.54	33.18	25.94	208.6	2.54	.83	1480.0
100	7.16	33.58	26.31	173.9	3.02	1.24	1479.4
125	6.92	33.79	26.50	156.1	3.43	1.70	1479.2
150	6.71	33.90	26.61	145.6	3.81	2.22	1478.9
175	6.46	33.94	26.68	139.1	4.16	2.80	1478.4
200	6.22	33.97	26.73	134.5	4.50	3.44	1477.8
225	6.00	33.96	26.76	132.4	4.84	4.14	1477.4
250	5.75	33.96	26.79	129.7	5.16	4.92	1476.8
300	5.24	34.00	26.88	121.8	5.79	6.64	1475.6
400	4.66	34.04	26.98	112.5	6.97	10.76	1474.9
500	4.38	34.12	27.07	104.9	8.06	15.66	1475.4
600	3.98	34.17	27.15	97.3	9.07	21.19	1475.5
800	3.66	34.35	27.33	81.8	10.86	33.67	1477.6
1000	3.25	34.44	27.44	71.9	12.38	47.36	1479.3
1200	2.91	34.53	27.55	62.7	13.73	62.14	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.87	34.55	27.56	61.5	13.91	64.40	1481.7

WIND MIXED LAYER DEPTH = 32.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

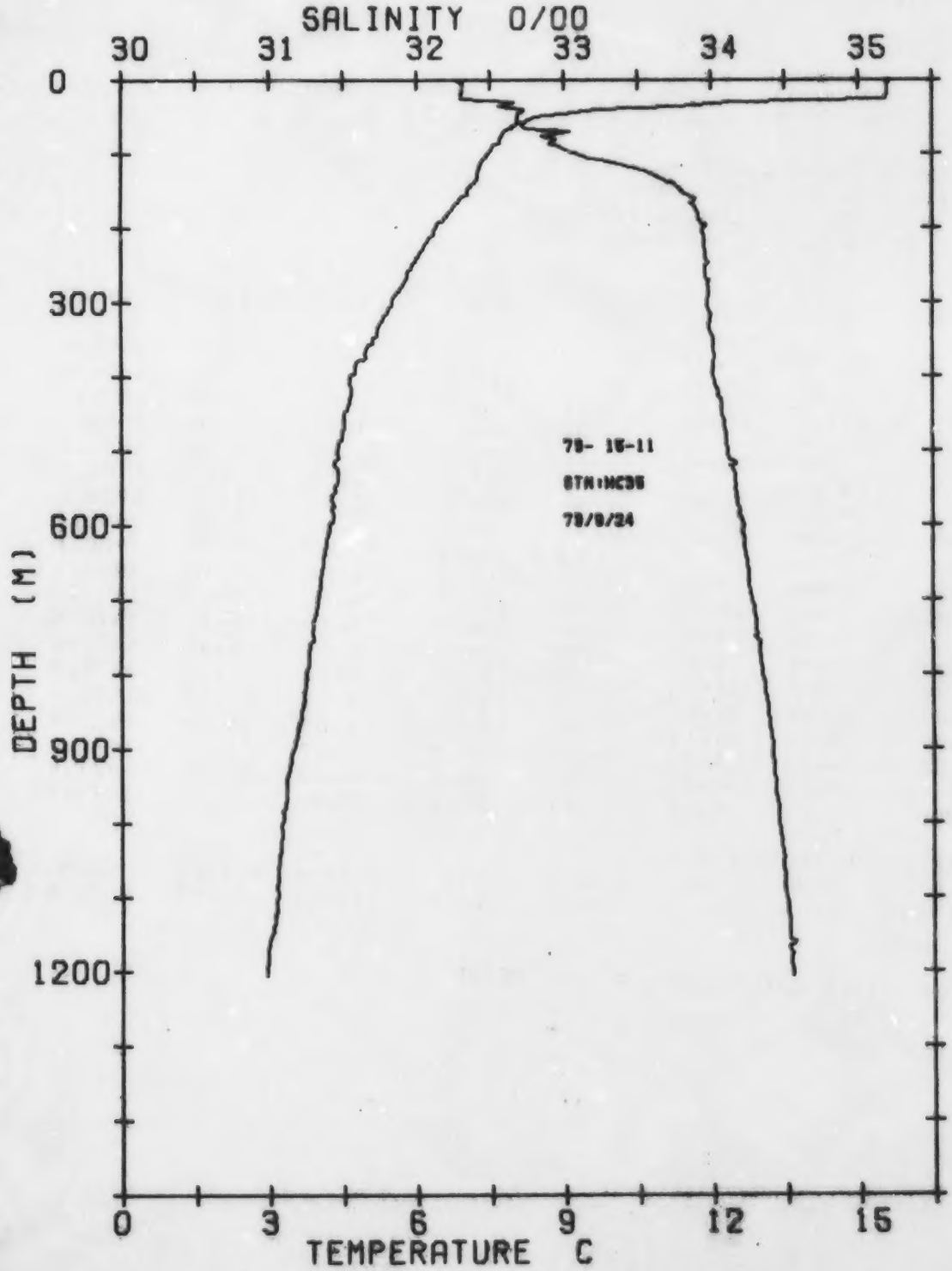
CRUISE : C.O.D.E. 79-15.
STATION: WC36 CONS #010
LAT N 49 06.5 LONG W 128 21.0
DATE 79/09/24 TIME (PST) 0701

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.56	32.77	24.16	377.1	.00	.00	1506.4
10	15.70	32.25	23.73	418.3	.41	.02	1506.4
20	15.72	32.23	23.71	420.2	.83	.08	1506.6
30	14.91	32.30	23.94	398.6	1.24	.19	1504.3
50	9.08	32.58	25.24	274.8	1.87	.43	1484.7
75	7.89	32.73	25.53	247.1	2.51	.83	1480.8
100	7.53	33.05	25.83	219.0	3.11	1.35	1480.2
125	7.34	33.35	26.10	194.2	3.62	1.93	1480.2
150	7.08	33.71	26.42	164.2	4.07	2.54	1480.1
175	6.88	33.85	26.55	151.7	4.46	3.17	1479.9
200	6.61	33.91	26.64	144.0	4.82	3.86	1479.4
225	6.30	33.93	26.69	138.7	5.18	4.61	1478.5
250	6.04	33.94	26.73	135.3	5.52	5.42	1477.9
300	5.59	33.96	26.80	128.9	6.18	7.23	1476.9
400	4.89	34.02	26.93	117.2	7.41	11.53	1475.8
500	4.54	34.11	27.04	107.4	8.53	16.59	1476.1
600	4.26	34.19	27.14	99.3	9.57	22.26	1476.6
800	3.61	34.31	27.30	84.3	11.38	34.92	1477.4
1000	3.36	34.46	27.44	72.1	12.94	48.89	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1170.0	3.09	34.53	27.53	64.8	14.10	61.47	1481.6

WIND MIXED LAYER DEPTH = 28.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 15-11
STN:HC38
79/9/24
0
3
6
9
12
15
TEMPERATURE C

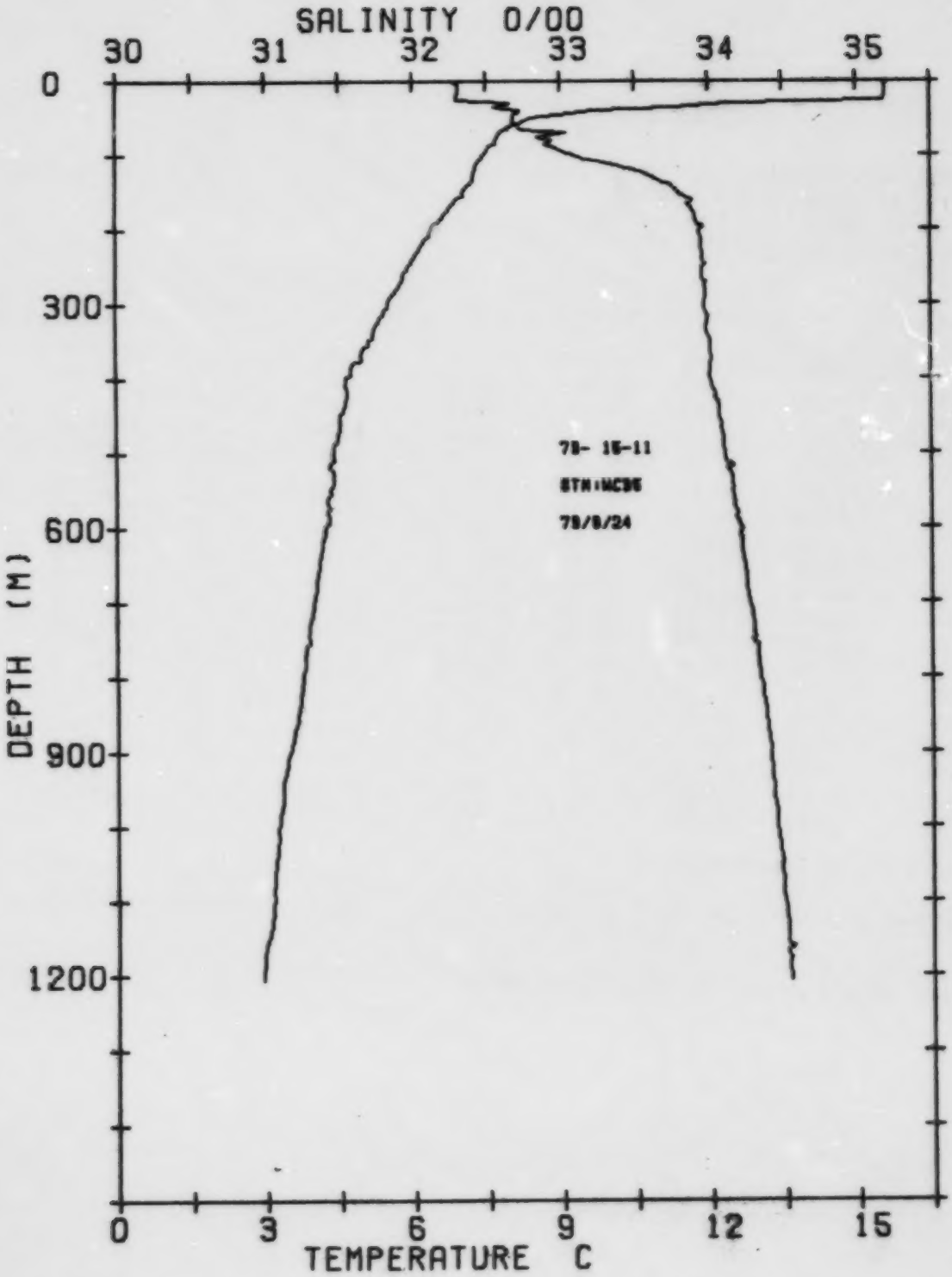
CRUISE : C.O.D.E. 79-15.
STATION: WC36 CONS #010
LAT N 49 06.5 LONG W 128 21.0
DATE 79/09/24 TIME (PST) 0701

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.56	32.77	24.16	377.1	.00	.00	1506.4
10	15.70	32.25	23.73	418.3	.41	.02	1506.4
20	15.72	32.23	23.71	420.2	.83	.08	1506.6
30	14.91	32.30	23.94	398.6	1.24	.19	1504.3
50	9.08	32.58	25.24	274.8	1.87	.43	1484.7
75	7.89	32.73	25.53	247.1	2.51	.83	1480.8
100	7.53	33.05	25.83	219.0	3.11	1.35	1480.2
125	7.34	33.35	26.10	194.2	3.62	1.93	1480.2
150	7.08	33.71	26.42	164.2	4.07	2.54	1480.1
175	6.88	33.85	26.55	151.7	4.46	3.17	1479.9
200	6.61	33.91	26.64	144.0	4.82	3.86	1479.4
225	6.30	33.93	26.69	138.7	5.18	4.61	1478.5
250	6.04	33.94	26.73	135.3	5.52	5.42	1477.9
300	5.59	33.96	26.80	128.9	6.18	7.23	1476.9
400	4.89	34.02	26.93	117.2	7.41	11.53	1475.8
500	4.54	34.11	27.04	107.4	8.53	16.59	1476.1
600	4.26	34.19	27.14	99.3	9.57	22.26	1476.6
800	3.61	34.31	27.30	84.3	11.38	34.92	1477.4
1000	3.36	34.46	27.44	72.1	12.94	48.89	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1170.0	3.09	34.53	27.53	64.8	14.10	61.47	1481.6

WIND MIXED LAYER DEPTH = 28.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 16-11
STN:MC06
78/8/24
0
3
6
9
12
15
TEMPERATURE C

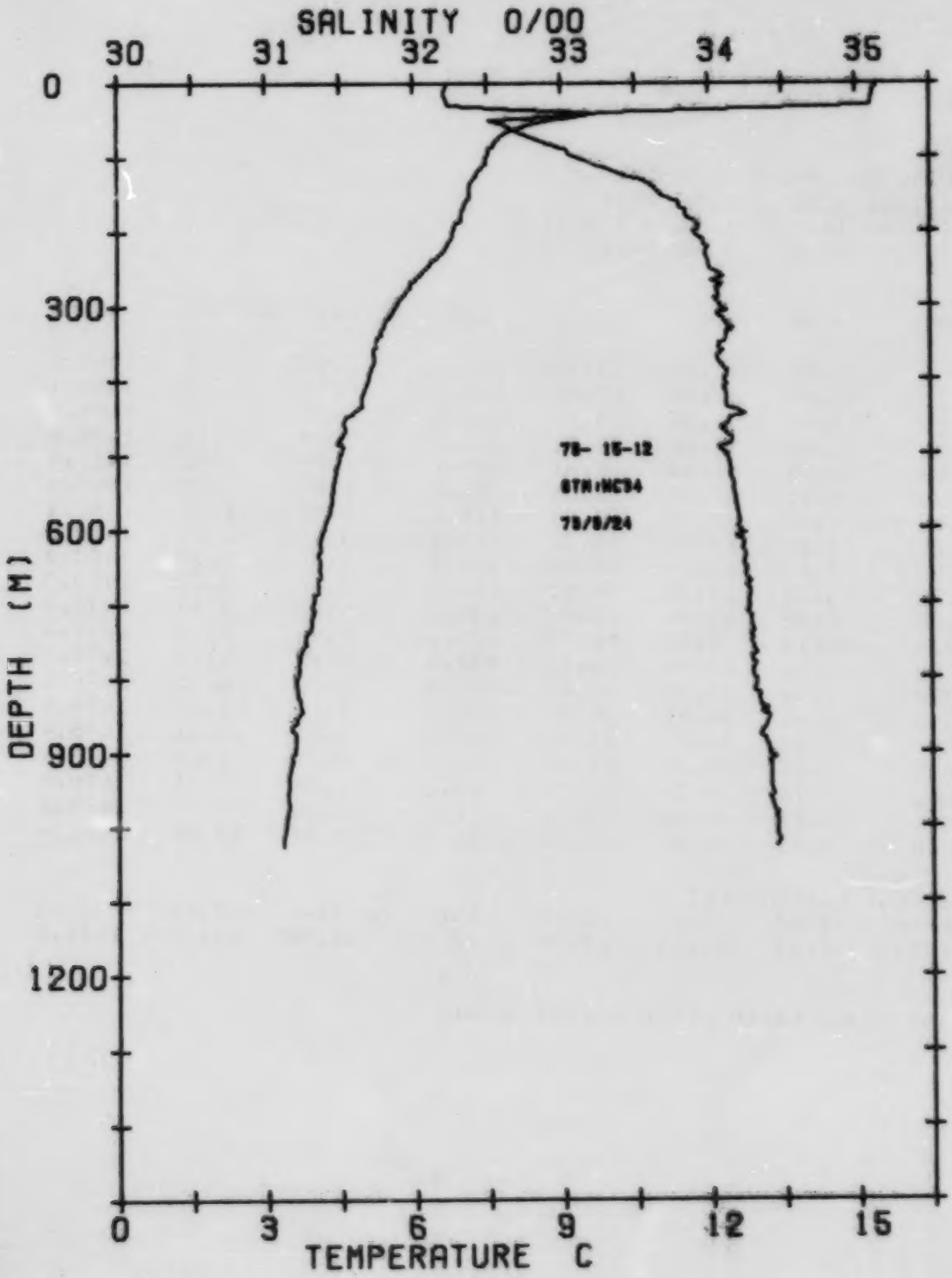
CRUISE : C.O.D.E. 79-15.
STATION: WC35 CONS #011
LAT N 49 12.0 LONG W 128 12.5
DATE 79/09/24 TIME (PST) 1015

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.64	32.27	23.75	415.6	.00	.00	1506.1
10	15.59	32.31	23.80	411.7	.41	.02	1506.1
20	15.61	32.30	23.79	412.9	.82	.08	1506.3
30	12.48	32.66	24.71	325.3	1.22	.18	1496.6
50	8.43	32.68	25.41	258.1	1.79	.41	1482.4
75	7.73	32.84	25.64	236.5	2.40	.78	1480.3
100	7.49	33.09	25.87	215.1	2.96	1.28	1480.1
125	7.26	33.59	26.30	175.2	3.45	1.82	1480.3
150	7.02	33.80	26.50	156.7	3.86	2.39	1480.0
175	6.72	33.90	26.61	146.0	4.24	3.00	1479.3
200	6.38	33.94	26.69	138.9	4.60	3.67	1478.4
225	6.14	33.95	26.73	135.1	4.94	4.40	1477.9
250	5.91	33.96	26.77	132.0	5.27	5.19	1477.4
300	5.50	33.97	26.83	126.7	5.92	6.96	1476.6
400	4.66	34.01	26.96	114.7	7.12	11.17	1474.8
500	4.38	34.11	27.06	105.4	8.22	16.11	1475.4
600	4.24	34.22	27.16	96.7	9.23	21.67	1476.6
800	3.76	34.34	27.31	83.6	11.05	34.31	1478.0
1000	3.27	34.45	27.45	71.3	12.59	48.12	1479.4
1200	2.93	34.54	27.55	62.7	13.93	62.84	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1205.0	2.93	34.54	27.55	62.6	13.96	63.22	1481.5

WIND MIXED LAYER DEPTH = 22.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
78- 15-12
STN:NC94
78/8/24
0
3
6
9
12
15
TEMPERATURE C

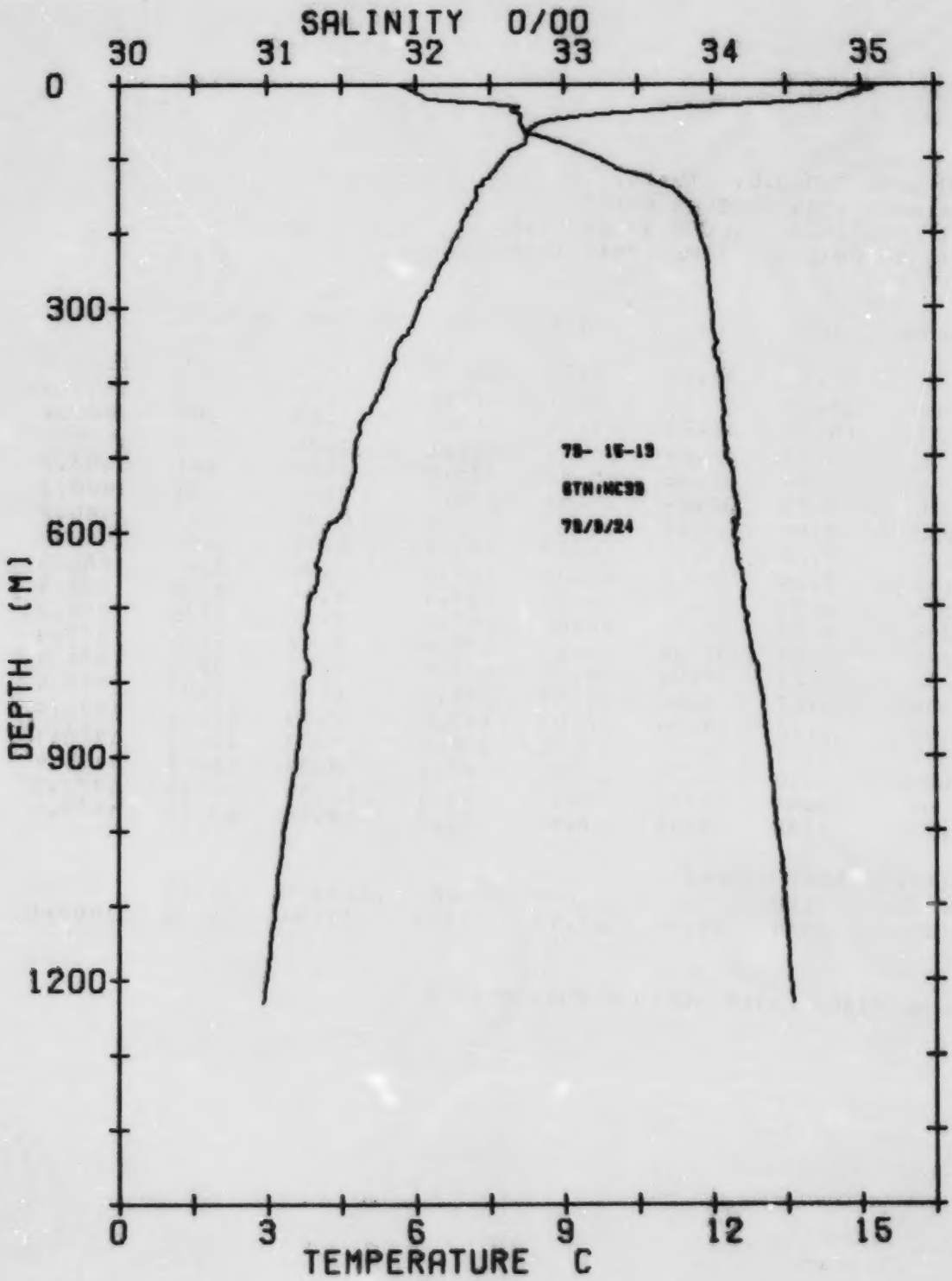
CRUISE : C.O.D.E. 79-15.
STATION: #C34 CONS #012
LAT N 49 18.0 LONG W 128 04.0
DATE 79/09/24 TIME (PST) 1144

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.42	32.22	23.76	414.4	.00	.00	1505.3
10	15.37	32.21	23.77	414.4	.41	.02	1505.3
20	15.34	32.22	23.78	413.3	.83	.08	1505.4
30	15.31	32.24	23.81	411.1	1.24	.19	1505.5
50	8.84	32.52	25.23	275.8	1.82	.41	1483.7
75	7.73	32.84	25.64	236.5	2.45	.81	1480.3
100	7.50	33.11	25.89	214.0	3.01	1.29	1480.2
125	7.28	33.46	26.19	185.1	3.51	1.86	1480.2
150	7.14	33.68	26.39	167.1	3.94	2.45	1480.3
175	6.99	33.84	26.53	153.4	4.34	3.09	1480.4
200	6.82	33.90	26.60	147.1	4.71	3.79	1480.2
225	6.62	33.98	26.69	139.4	5.07	4.54	1479.9
250	6.27	34.01	26.76	133.0	5.41	5.35	1478.9
300	5.67	34.08	26.89	121.0	6.03	7.07	1477.4
400	5.10	34.10	26.97	113.8	7.19	11.11	1476.8
500	4.54	34.12	27.05	106.5	8.27	15.97	1476.1
600	4.20	34.21	27.16	97.1	9.28	21.53	1476.4
800	3.64	34.31	27.30	84.8	11.09	34.18	1477.5
1000	3.38	34.45	27.44	72.9	12.66	48.27	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1025.0	3.34	34.44	27.43	73.3	12.84	50.10	1480.1

WIND MIXED LAYER DEPTH = 29.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 16-13
STN:NC39
79/9/24
0
3
6
9
12
15
TEMPERATURE C

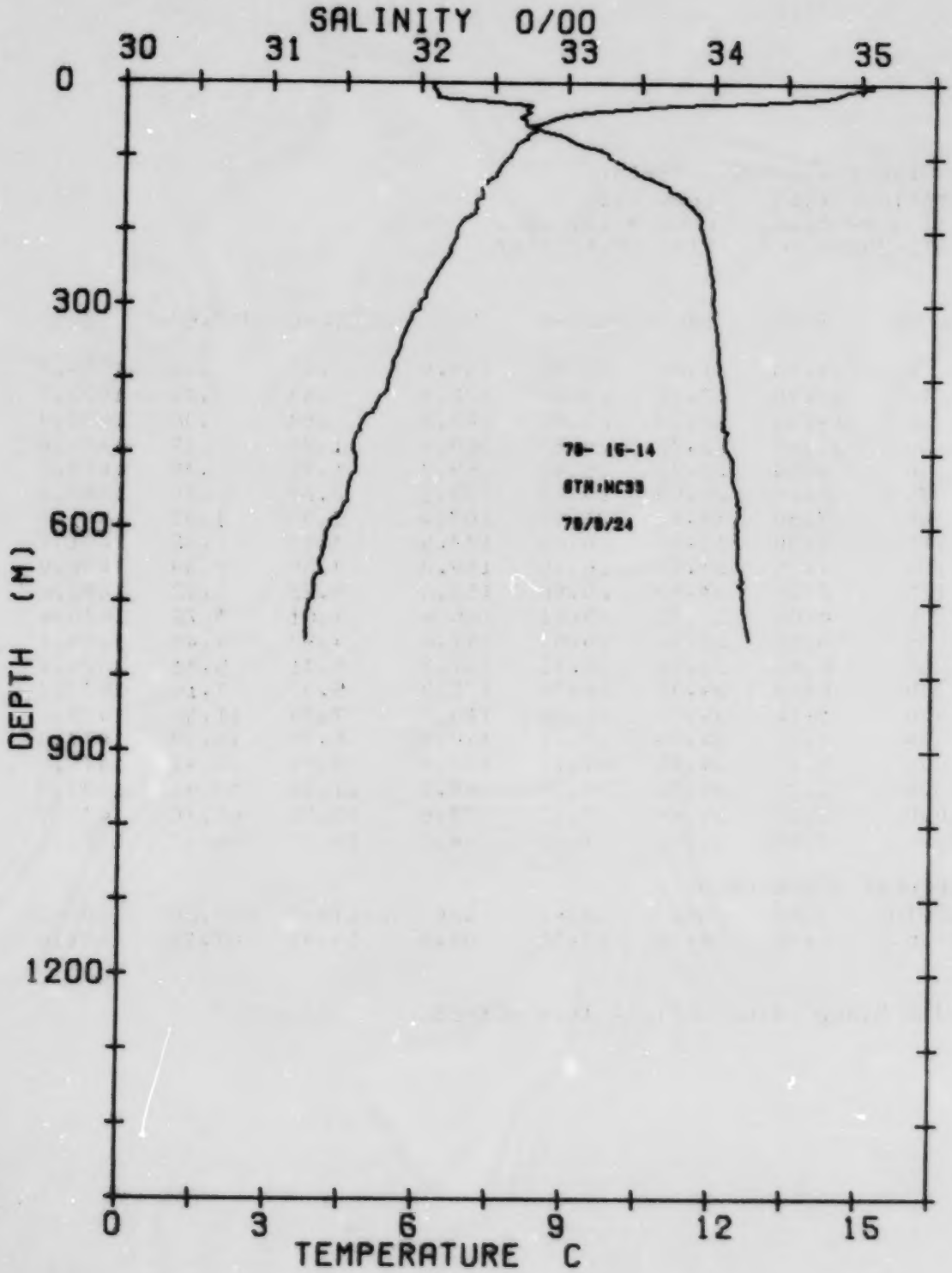
CRUISE : C.O.D.E. 79-15.
STATION: #C33 CONS #013
LAT N 49 23.5 LONG W 127 55.0
DATE 79/09/24 TIME (PST) 1507

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.23	31.89	23.55	434.8	.00	.00	1504.3
10	15.00	32.00	23.68	422.3	.43	.02	1503.9
20	14.58	32.09	23.84	407.4	.84	.08	1502.8
30	11.69	32.70	24.88	308.4	1.20	.17	1494.0
50	8.64	32.70	25.40	259.3	1.75	.39	1483.2
75	8.25	32.93	25.63	237.5	2.38	.78	1482.4
100	7.80	33.25	25.95	207.9	2.93	1.27	1481.5
125	7.50	33.58	26.25	179.5	3.43	1.82	1481.2
150	7.25	33.79	26.45	160.8	3.85	2.39	1480.9
175	7.04	33.89	26.56	150.6	4.23	3.02	1480.6
200	6.86	33.92	26.61	146.4	4.61	3.72	1480.4
225	6.68	33.96	26.67	141.6	4.97	4.48	1480.1
250	6.48	33.98	26.71	137.7	5.31	5.31	1479.7
300	6.09	34.00	26.78	131.8	5.99	7.16	1479.0
400	5.36	34.07	26.92	118.7	7.24	11.55	1477.8
500	4.76	34.09	27.01	110.9	8.39	16.69	1477.0
600	4.17	34.15	27.12	100.8	9.44	22.47	1476.2
800	3.74	34.32	27.30	85.3	11.30	35.45	1477.9
1000	3.34	34.44	27.43	73.5	12.90	49.75	1479.7
1200	2.99	34.52	27.53	64.6	14.27	64.83	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	2.92	34.54	27.55	62.9	14.46	67.15	1481.8

WIND MIXED LAYER DEPTH = 16.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 16-14
STN:HC33
79/8/24
0
3
6
9
12
15
TEMPERATURE C

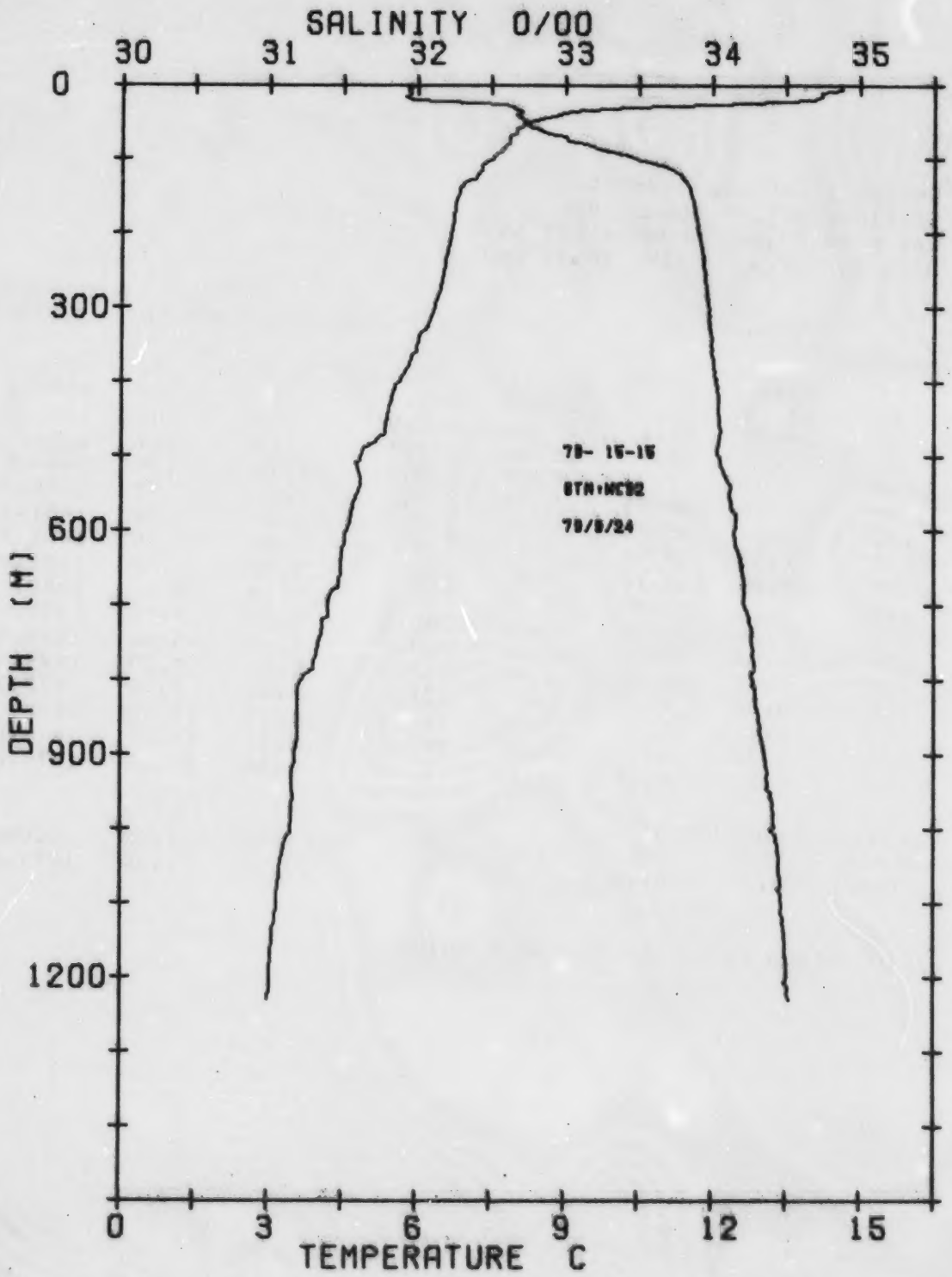
CRUISE : C.O.D.E. 79-15.
STATION: WC33 CONS #014
LAT N 49 23.5 LONG W 127 55.0
DATE 79/09/24 TIME (PST) 1608

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.21	32.09	23.71	419.6	.00	.00	1504.5
10	14.74	32.10	23.82	409.3	.42	.02	1503.2
20	14.33	32.11	23.91	400.9	.82	.08	1502.0
30	11.23	32.74	25.00	297.3	1.17	.17	1492.4
50	8.69	32.71	25.40	259.9	1.71	.38	1483.4
75	8.16	33.01	25.71	230.2	2.33	.77	1482.1
100	7.84	33.28	25.98	205.5	2.87	1.24	1481.7
125	7.52	33.51	26.20	184.8	3.36	1.78	1481.1
150	7.29	33.76	26.43	163.5	3.79	2.38	1481.0
175	7.12	33.89	26.55	152.0	4.18	3.01	1480.9
200	6.76	33.92	26.63	145.0	4.55	3.70	1479.9
225	6.63	33.96	26.68	140.6	4.91	4.46	1479.9
250	6.41	33.98	26.72	137.0	5.26	5.29	1479.4
300	6.02	34.00	26.78	131.0	5.92	7.12	1478.7
400	5.41	34.06	26.91	119.9	7.17	11.49	1478.0
500	4.70	34.12	27.04	108.3	8.31	16.62	1476.8
600	4.24	34.18	27.13	99.8	9.36	22.35	1476.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
750.1	3.77	34.26	27.25	89.4	10.78	31.94	1477.2

WIND MIXED LAYER DEPTH = 16.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
79- 15-15
STN:MC92
79/8/24
0
3
6
9
12
15
TEMPERATURE C

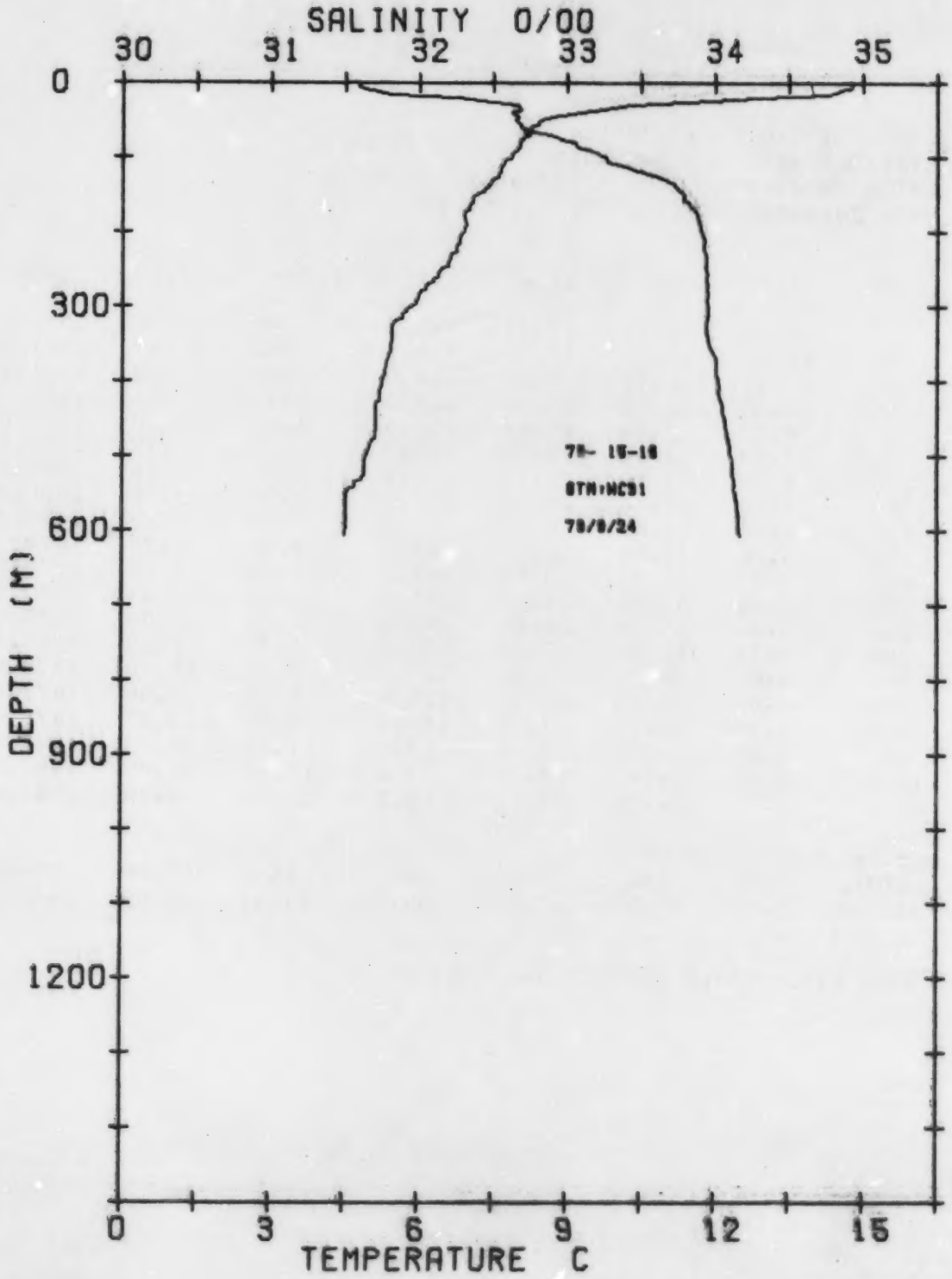
CRUISE : C.O.D.E. 79-15.
STATION: WC32 CONS #015
LAT N 49 29.0 LONG W 127 46.5
DATE 79/09/24 TIME (PST) 1756

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.64	31.97	23.74	416.3	.00	.00	1502.5
10	14.23	31.95	23.81	410.5	.42	.02	1501.3
20	14.11	31.97	23.85	406.9	.83	.08	1501.1
30	10.33	32.65	25.09	288.6	1.16	.16	1489.1
50	8.33	32.74	25.47	252.3	1.69	.38	1482.0
75	7.89	33.02	25.76	225.3	2.29	.75	1481.1
100	7.54	33.49	26.18	186.2	2.80	1.19	1480.8
125	7.20	33.80	26.47	158.5	3.22	1.66	1480.3
150	6.83	33.86	26.56	150.1	3.60	2.19	1479.3
175	6.76	33.89	26.60	147.1	3.97	2.79	1479.5
200	6.70	33.91	26.63	145.1	4.34	3.48	1479.7
225	6.64	33.93	26.65	142.8	4.70	4.24	1479.9
250	6.55	33.95	26.68	140.9	5.05	5.08	1479.9
300	6.35	33.98	26.72	137.1	5.75	7.00	1480.0
400	5.64	34.02	26.85	125.8	7.07	11.60	1478.8
500	4.87	34.05	26.96	115.5	8.28	17.04	1477.4
600	4.59	34.15	27.07	105.6	9.38	23.07	1478.0
800	3.68	34.28	27.27	87.5	11.30	36.50	1477.6
1000	3.46	34.40	27.39	77.2	12.92	51.05	1480.1
1200	3.04	34.51	27.51	66.0	14.31	66.29	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.0	3.00	34.53	27.53	64.5	14.51	68.69	1482.2

WIND MIXED LAYER DEPTH = 18.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

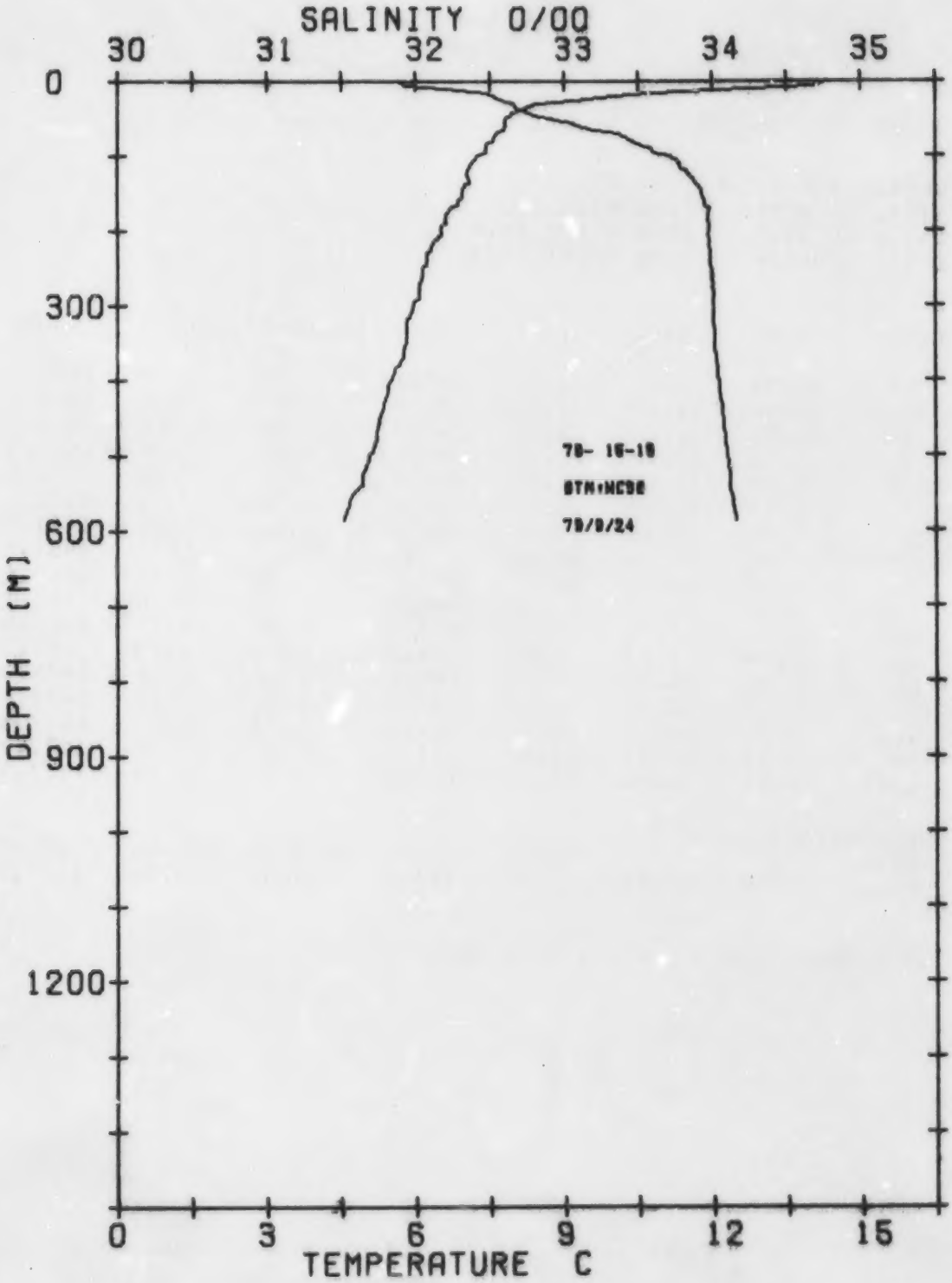
CRUISE : C.O.D.E. 79-15.
STATION: WC31 CONS #016
LAT N 49 34.5 LONG W 127 38.0
DATE 79/09/24 TIME (PST) 2023

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.77	31.59	23.42	447.1	.00	.00	1502.5
10	14.58	31.68	23.53	437.4	.44	.02	1502.1
20	12.92	32.26	24.31	362.8	.86	.08	1497.5
30	10.34	32.67	25.10	287.5	1.18	.16	1489.1
50	8.50	32.65	25.38	261.4	1.72	.38	1482.6
75	8.10	32.97	25.69	232.0	2.35	.77	1481.9
100	7.86	33.26	25.95	208.0	2.90	1.25	1481.8
125	7.58	33.62	26.27	177.5	3.38	1.79	1481.5
150	7.17	33.79	26.47	159.6	3.80	2.37	1480.6
175	6.91	33.88	26.57	149.8	4.19	3.00	1480.1
200	6.90	33.91	26.60	147.9	4.56	3.70	1480.5
225	6.74	33.93	26.64	144.3	4.93	4.47	1480.3
250	6.46	33.94	26.68	140.2	5.28	5.32	1479.6
300	5.81	33.95	26.77	132.3	5.96	7.19	1477.8
400	5.25	34.02	26.90	121.0	7.23	11.61	1477.3
500	4.93	34.11	27.00	111.6	8.40	16.86	1477.7
600	4.51	34.16	27.09	103.9	9.47	22.73	1477.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
605.1	4.49	34.17	27.10	103.0	9.52	23.04	1477.7

WIND MIXED LAYER DEPTH = 10.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

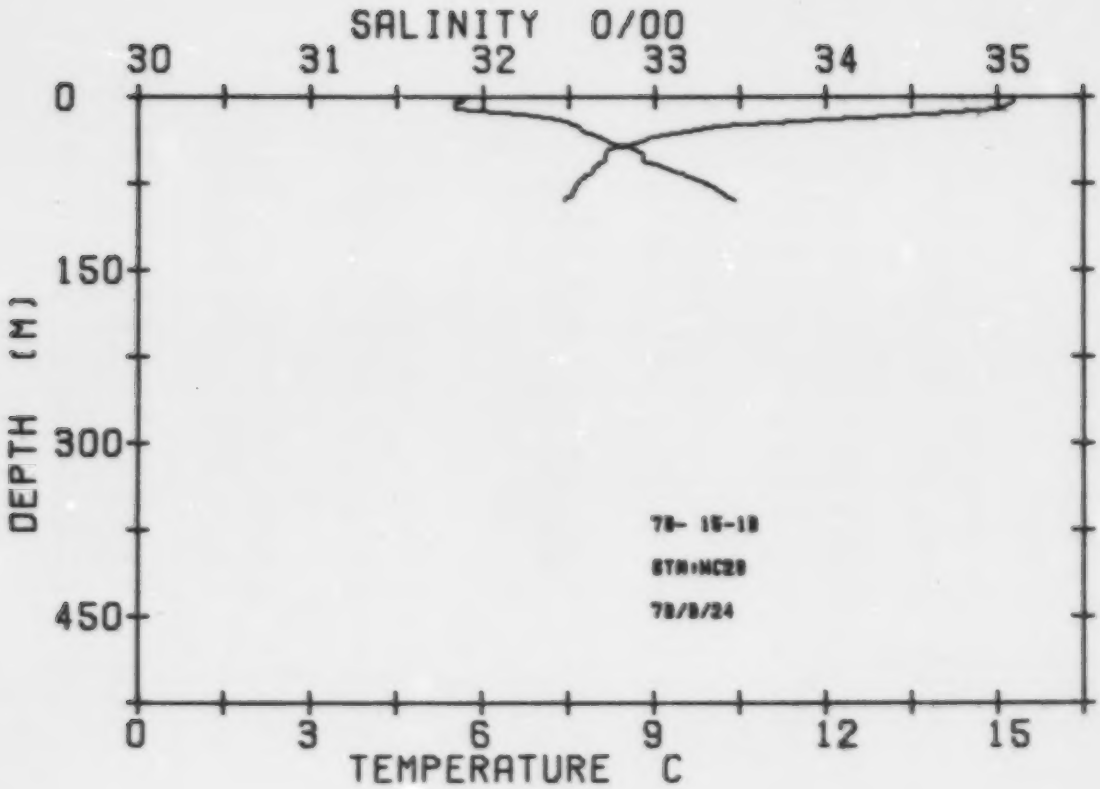
CRUISE : C.O.D.E. 79-15.
STATION: WC30 CONS #018
LAT N 49 40.5 LONG W 127 29.0
DATE 79/09/24 TIME (PST) 2230

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.33	31.89	23.74	416.7	.00	.00	1501.4
10	12.81	32.19	24.28	365.2	.40	.02	1496.9
20	10.02	32.53	25.05	292.5	.72	.07	1487.6
30	8.46	32.66	25.39	259.9	.99	.13	1482.1
50	7.82	32.90	25.68	232.9	1.49	.33	1480.3
75	7.59	33.42	26.12	191.6	2.02	.66	1480.5
100	7.26	33.72	26.40	165.5	2.47	1.05	1480.0
125	7.02	33.85	26.53	152.8	2.87	1.50	1479.6
150	6.92	33.93	26.61	145.7	3.24	2.01	1479.8
175	6.65	33.97	26.68	140.0	3.60	2.59	1479.2
200	6.52	33.98	26.70	137.7	3.94	3.24	1479.1
225	6.29	33.99	26.74	134.4	4.28	3.96	1478.6
250	6.16	34.00	26.76	132.3	4.62	4.76	1478.5
300	5.96	34.01	26.80	129.4	5.27	6.56	1478.5
400	5.51	34.05	26.89	122.2	6.54	10.99	1478.4
500	5.09	34.10	26.98	114.1	7.72	16.31	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
585.0	4.57	34.16	27.08	104.7	8.66	21.36	1477.7

WIND MIXED LAYER DEPTH = 4.5 METRES

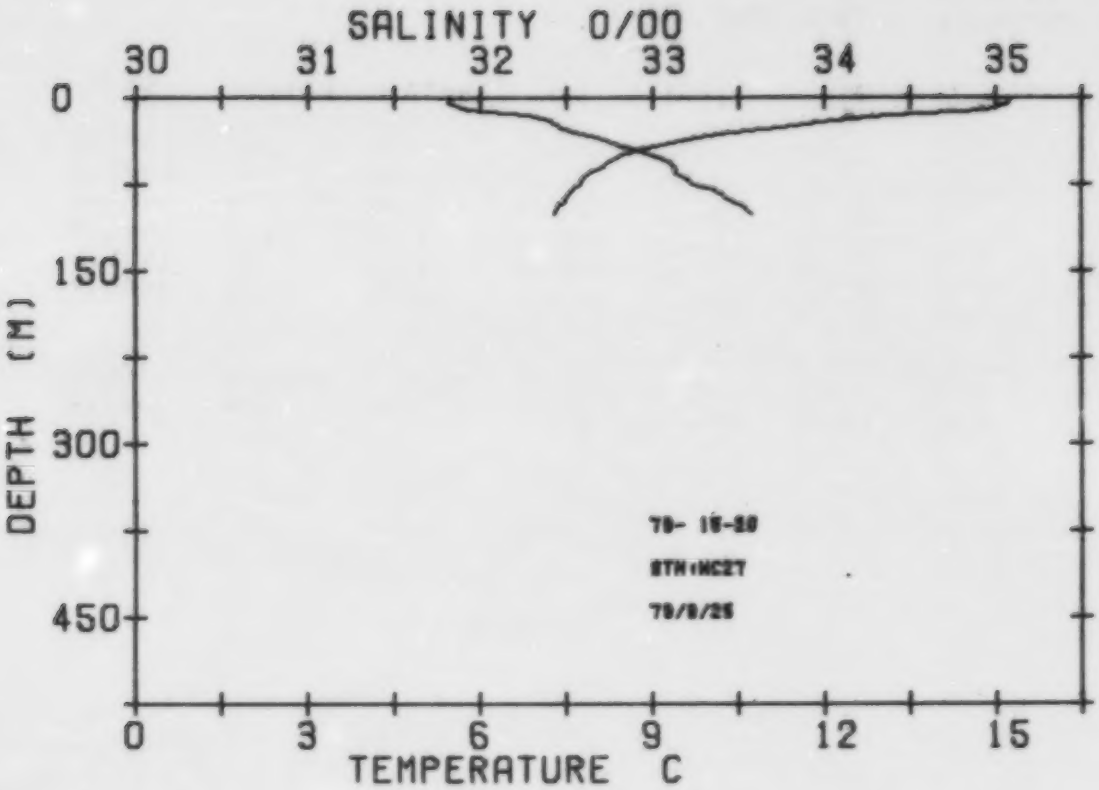

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
78- 15-18
STA:NC29
78/8/24
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.U.E. 79-15.
STATION: #C29 CONS #019
LAT N 49 46.0 LONG W 127 20.0
DATE 79/09/24 TIME (PST) 2343

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.29	31.91	23.55	434.7	.00	.00	1504.5
10	15.06	31.84	23.55	434.8	.44	.02	1503.9
20	12.05	32.44	24.62	333.3	.82	.08	1494.7
30	9.60	32.59	25.16	281.8	1.12	.15	1486.3
50	8.15	32.93	25.65	235.2	1.63	.35	1481.6
75	7.69	33.30	26.01	201.5	2.18	.70	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	7.44	33.48	26.19	185.0	2.47	.94	1480.2

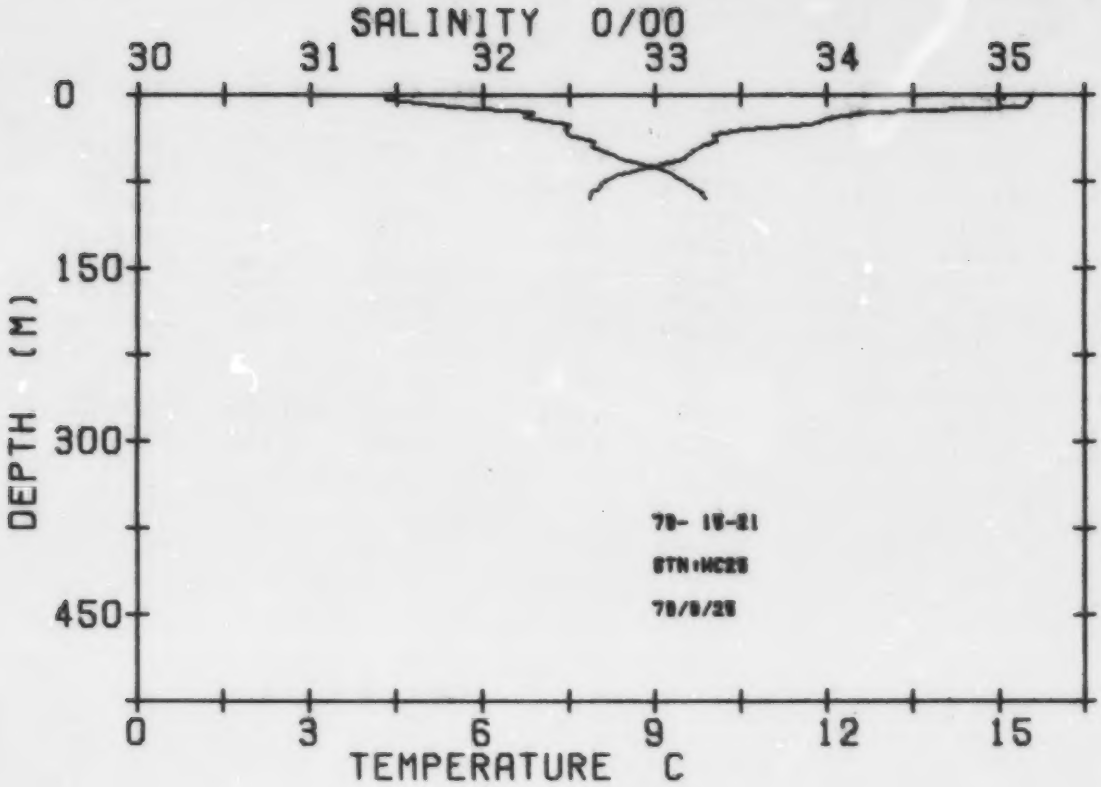

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 16-20
STN:NC27
79/9/25
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-15.
STATION: WC27 CONS #020
LAT N 49 36.0 LONG W 127 01.1
DATE 79/09/25 TIME (PST) 0159

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.25	31.83	23.51	439.2	.00	.00	1504.3
10	14.90	31.93	23.65	425.4	.44	.02	1503.5
20	12.19	32.41	24.57	338.0	.81	.08	1495.2
30	10.41	32.55	25.00	297.3	1.13	.16	1489.2
50	8.49	33.00	25.66	235.1	1.65	.36	1483.0
75	7.75	33.24	25.95	207.4	2.20	.70	1480.9
100	7.30	33.58	26.29	176.0	2.67	1.12	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.1	7.30	33.58	26.29	175.9	2.68	1.12	1480.0

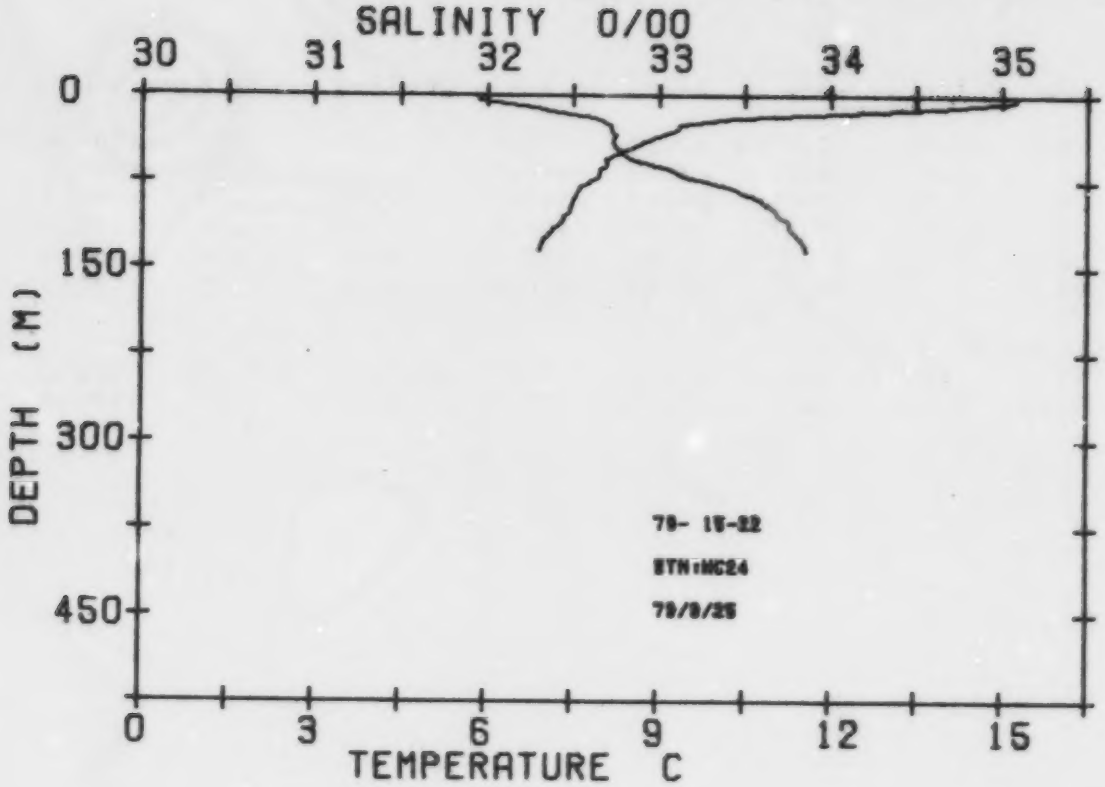

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-15.
STATION: WC25 CONS #021
LAT N 49 21.5 LONG W 126 44.5
DATE 79/09/25 TIME (PST) 0409

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.56	31.43	23.13	475.4	.00	.00	1504.8
10	15.47	31.83	23.45	444.5	.47	.02	1505.2
20	12.12	32.24	24.45	349.8	.84	.08	1494.7
30	10.61	32.48	24.91	306.2	1.17	.16	1489.9
50	9.65	32.71	25.25	273.7	1.75	.39	1487.0
75	8.13	33.18	25.85	216.8	2.36	.77	1482.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	7.86	33.30	25.98	204.5	2.67	1.03	1481.6

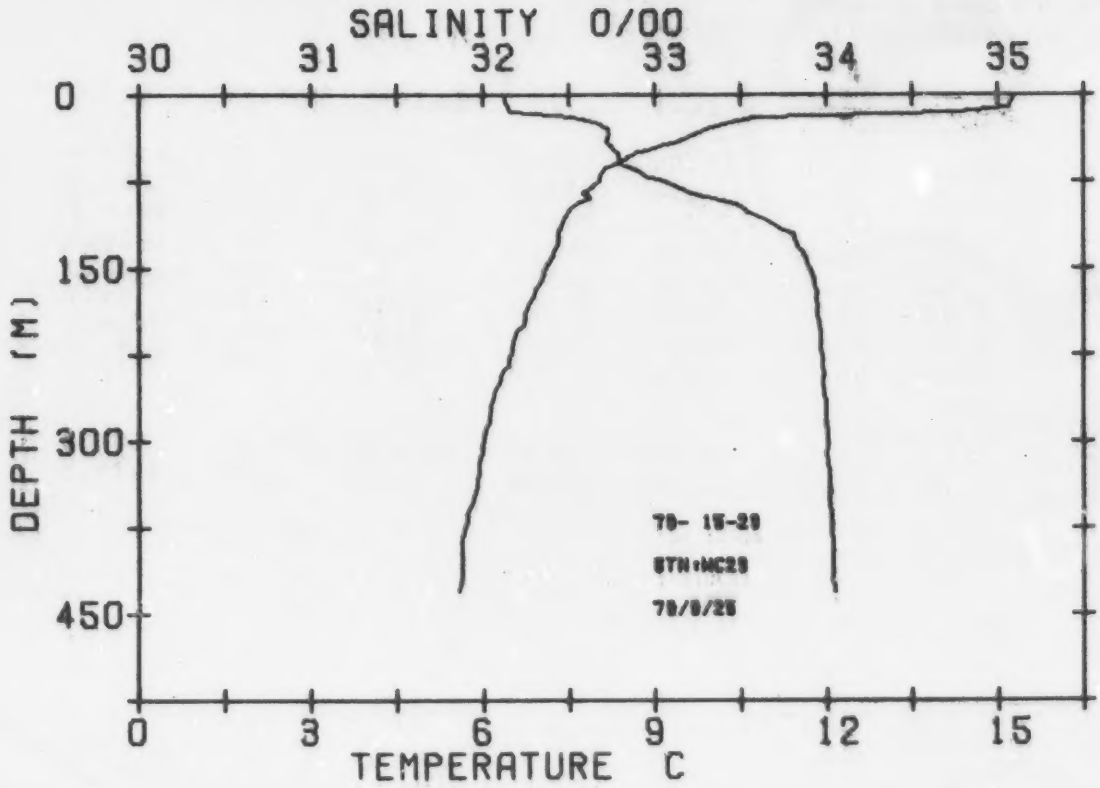

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
79- 15-22
STN:HC24
79/9/25
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-15.
STATION: WC24 CONS #022
LAT N 49 15.5 LONG W 126 53.0
DATE 79/09/25 TIME (PST) 0539

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.24	31.94	23.59	431.2	.00	.00	1504.4
10	13.89	32.29	24.14	378.9	.42	.02	1500.6
20	10.40	32.63	25.06	291.4	.75	.07	1489.1
30	9.29	32.72	25.31	267.3	1.03	.14	1485.3
50	8.34	32.79	25.51	248.8	1.54	.34	1482.2
75	7.79	33.28	25.98	205.0	2.11	.70	1481.1
100	7.45	33.68	26.34	170.6	2.57	1.10	1480.7
125	6.99	33.82	26.52	154.3	2.98	1.55	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.0	6.89	33.86	26.56	150.4	3.13	1.75	1479.3


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C
79- 15-29
STN:NC29
79/9/25

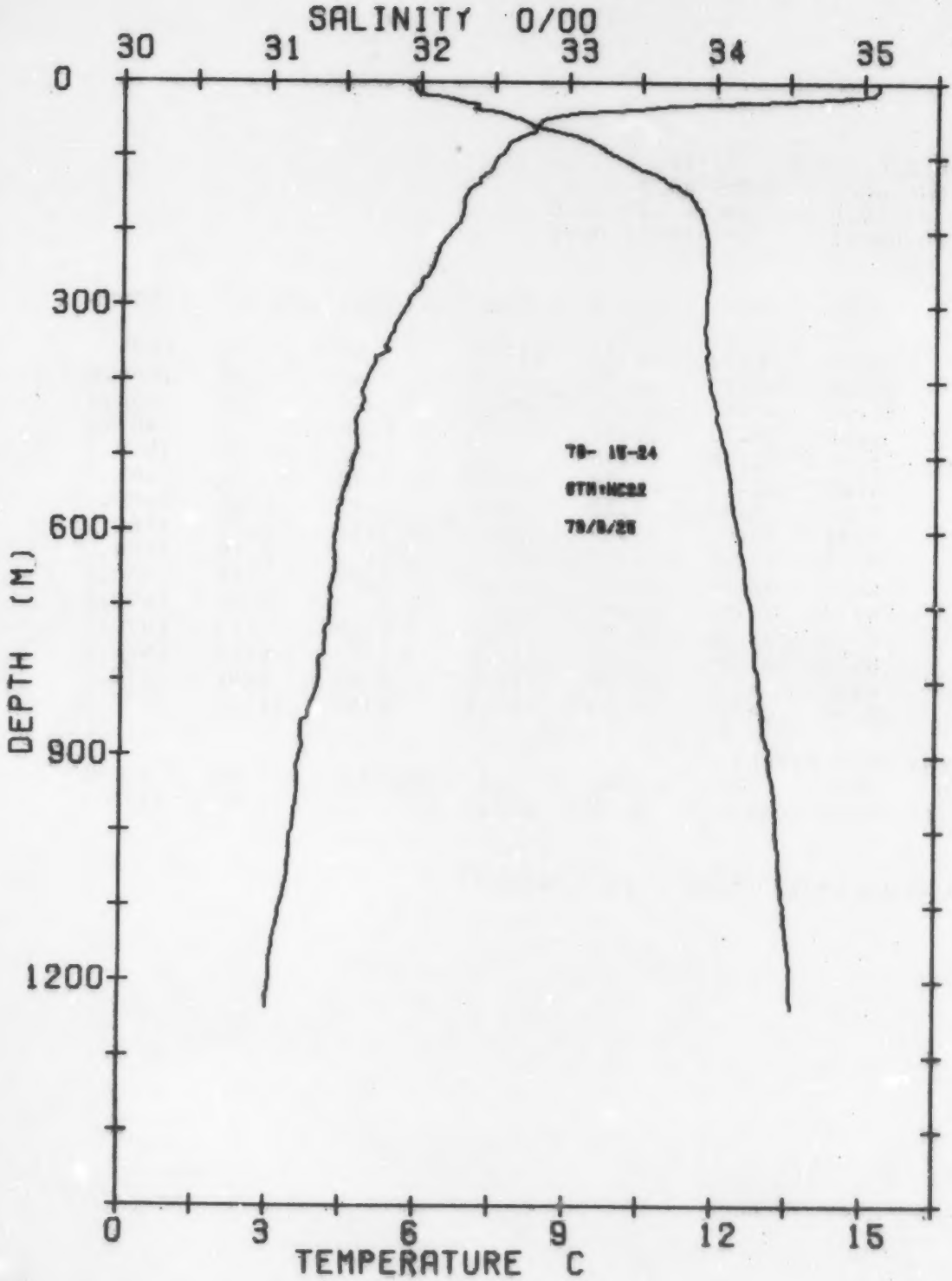
CRUISE : C.O.D.E. 79-15.
STATION: WC23 CONS #023
LAT N 49 10.0 LONG W 127 02.0
DATE 79/09/25 TIME (PST) 0641

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.27	32.13	23.73	417.9	.00	.00	1504.7
10	15.22	32.15	23.75	415.9	.42	.02	1504.8
20	10.80	32.53	24.92	305.1	.80	.08	1490.4
30	9.95	32.73	25.21	277.1	1.08	.15	1487.8
50	8.70	32.78	25.45	254.3	1.62	.36	1483.5
75	8.03	33.07	25.78	223.9	2.22	.74	1481.7
100	7.54	33.54	26.22	182.3	2.73	1.18	1480.9
125	7.31	33.82	26.47	158.6	3.16	1.66	1480.7
150	7.11	33.91	26.57	149.8	3.54	2.19	1480.5
175	6.89	33.94	26.63	144.6	3.91	2.78	1480.1
200	6.73	33.96	26.66	141.6	4.27	3.45	1479.9
225	6.50	33.98	26.70	137.9	4.62	4.19	1479.4
250	6.29	33.98	26.74	135.1	4.96	5.00	1479.0
300	6.02	34.01	26.79	130.5	5.62	6.82	1478.7
400	5.64	34.04	26.87	124.3	6.89	11.28	1478.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
430.1	5.58	34.05	26.88	123.7	7.27	12.83	1479.2

WIND MIXED LAYER DEPTH = 11.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

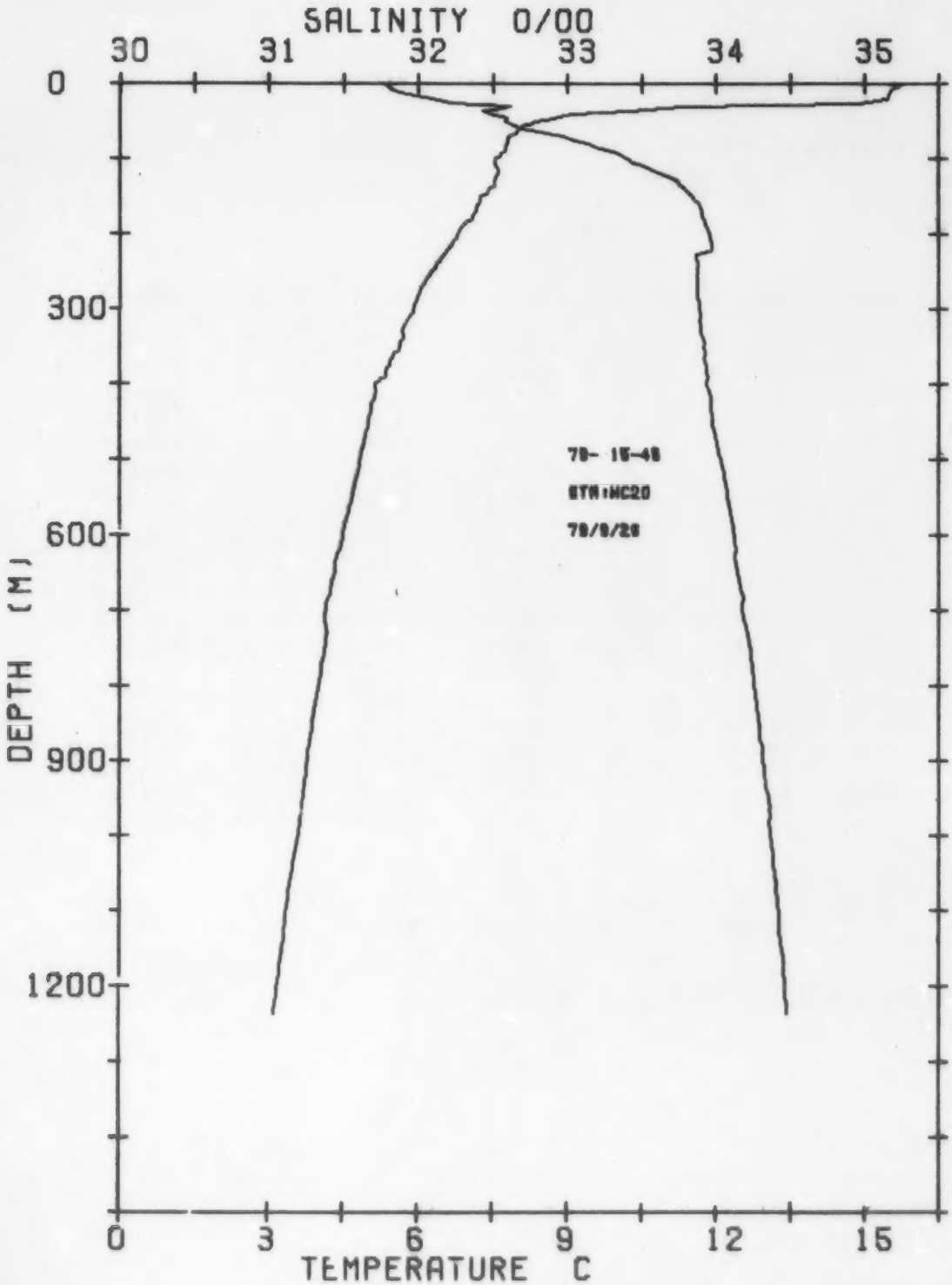
CRUISE : C.O.D.E. 79-15.
STATION: WC22 CONS #024
LAT N 49 04.5 LONG W 127 11.0
DATE 79/09/25 TIME (PST) 0828

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.31	31.91	23.55	435.0	.00	.00	1504.6
10	15.29	31.96	23.59	431.3	.43	.02	1504.7
20	14.43	32.18	23.94	397.9	.85	.08	1502.4
30	11.13	32.38	24.74	321.8	1.21	.17	1491.6
50	8.47	32.69	25.41	258.0	1.79	.40	1482.5
75	8.00	33.10	25.80	221.4	2.39	.78	1481.7
100	7.61	33.34	26.05	198.1	2.92	1.23	1480.9
125	7.29	33.62	26.32	173.2	3.38	1.76	1480.4
150	6.96	33.83	26.53	153.9	3.79	2.32	1479.8
175	6.87	33.91	26.60	147.2	4.17	2.93	1479.9
200	6.67	33.94	26.65	142.9	4.53	3.61	1479.6
225	6.40	33.95	26.70	138.6	4.88	4.36	1478.9
250	6.26	33.96	26.72	136.5	5.23	5.17	1478.8
300	5.75	33.94	26.77	132.3	5.90	7.02	1477.5
400	4.96	33.97	26.89	121.7	7.17	11.47	1476.0
500	4.70	34.08	27.00	111.5	8.34	16.70	1476.7
600	4.34	34.16	27.11	102.1	9.40	22.56	1477.0
800	4.03	34.31	27.26	88.9	11.31	35.87	1479.2
1000	3.51	34.43	27.41	75.7	12.94	50.44	1480.4
1200	3.05	34.53	27.53	64.7	14.34	65.80	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	2.99	34.54	27.54	63.6	14.56	68.53	1482.2

WIND MIXED LAYER DEPTH = 15.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

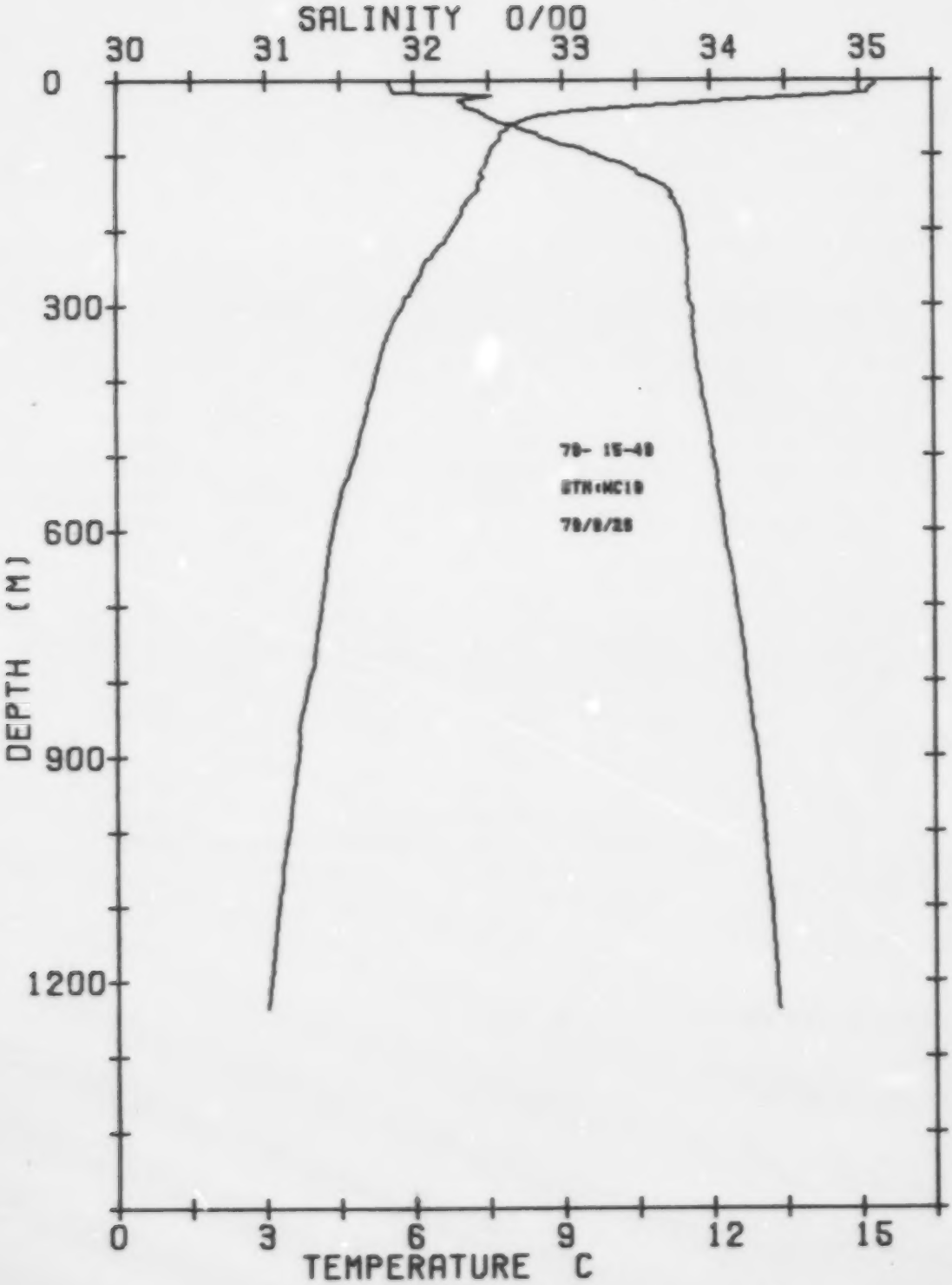
CRUISE : C.O.D.E. 79-15.
STATION: WC20 CONS #048
LAT N 48 53.5 LONG W 127 29.0
DATE 79/09/26 TIME (PST) 1443

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.71	31.78	23.36	452.6	.00	.00	1505.7
10	15.49	31.84	23.45	444.3	.45	.02	1505.2
20	15.42	32.10	23.68	423.3	.88	.09	1505.5
30	11.36	32.61	24.87	309.4	1.27	.18	1492.7
50	8.34	32.59	25.35	263.8	1.84	.41	1481.9
75	7.73	33.06	25.81	220.5	2.44	.78	1480.6
100	7.50	33.40	26.11	192.5	2.95	1.23	1480.5
125	7.51	33.68	26.33	171.9	3.41	1.75	1481.3
150	7.21	33.82	26.49	157.7	3.82	2.31	1480.8
175	7.06	33.89	26.56	150.7	4.21	2.94	1480.7
200	6.75	33.95	26.65	143.1	4.58	3.62	1479.9
225	6.52	33.85	26.70	138.3	4.93	4.37	1479.3
250	6.24	33.86	26.72	136.8	5.27	5.19	1478.6
300	5.85	33.87	26.80	129.4	5.94	7.01	1477.9
400	5.09	33.92	26.94	116.9	7.16	11.29	1476.4
500	4.78	34.02	27.02	110.2	8.28	16.34	1476.9
600	4.44	34.11	27.10	102.9	9.35	22.18	1477.3
800	3.97	34.24	27.21	93.5	11.31	35.92	1478.8
1000	3.56	34.35	27.34	82.2	13.06	51.58	1480.5
1200	3.13	34.45	27.46	71.6	14.59	68.38	1482.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	3.06	34.46	27.48	69.8	14.84	71.41	1482.4

WIND MIXED LAYER DEPTH = 21.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

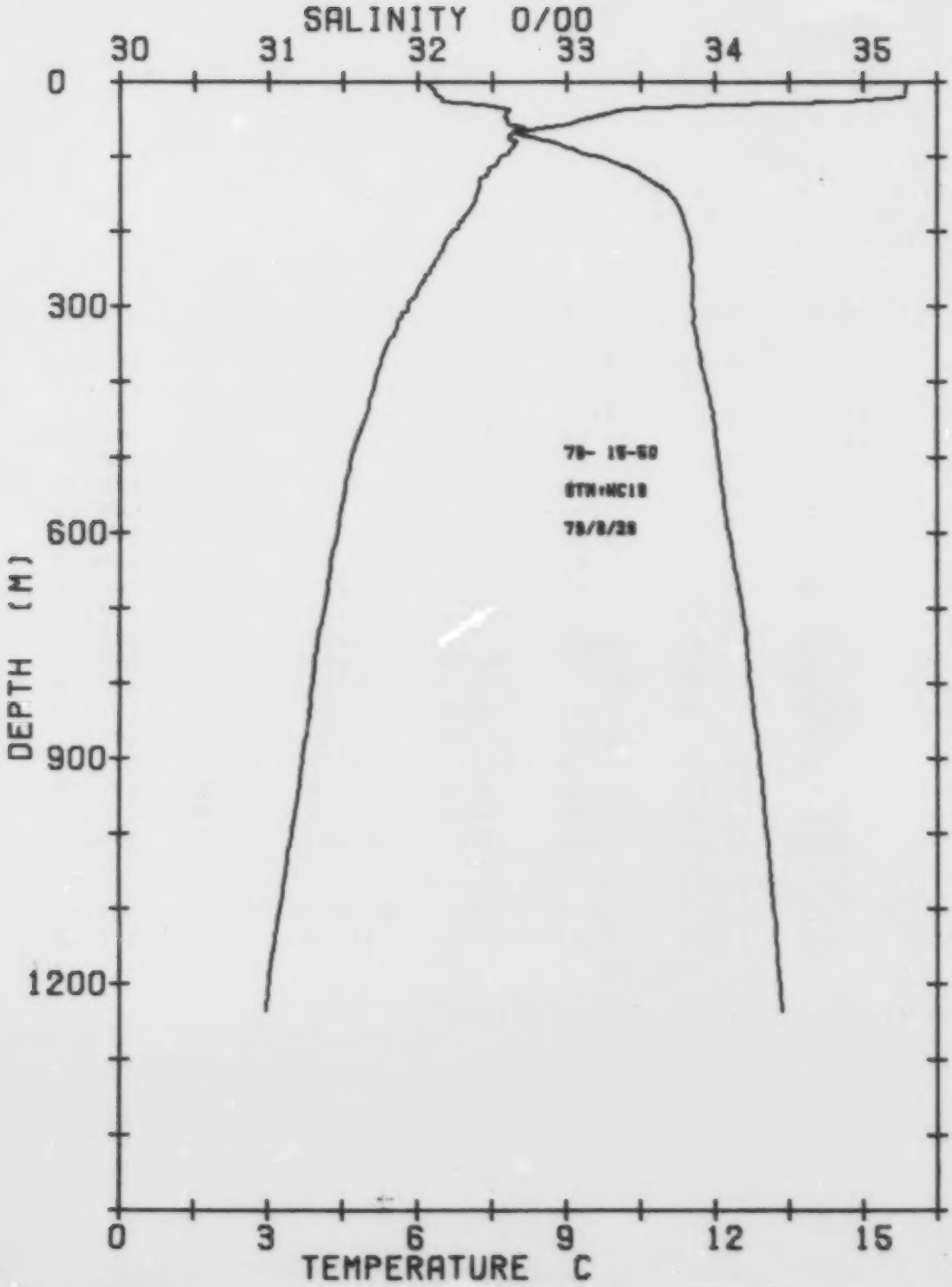
CRUISE : C.O.D.E. 79-15.
STATION: WC19 CONS #049
LAT N 48 48.0 LONG W 127 37.5
DATE 79/09/26 TIME (PST) 1643

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.32	31.83	23.49	440.6	.00	.00	1504.5
10	15.25	31.85	23.52	438.2	.44	.02	1504.5
20	14.22	32.51	24.24	369.5	.86	.08	1502.1
30	11.63	32.34	24.62	333.7	1.21	.17	1493.3
50	8.36	32.51	25.29	269.4	1.80	.40	1481.9
75	7.74	32.86	25.66	235.0	2.42	.79	1480.4
100	7.52	33.24	25.99	204.1	2.97	1.27	1480.4
125	7.36	33.52	26.23	181.6	3.45	1.81	1480.5
150	7.26	33.74	26.41	164.5	3.88	2.40	1480.9
175	6.98	33.80	26.50	156.9	4.28	3.05	1480.2
200	6.77	33.83	26.55	152.1	4.67	3.77	1479.8
225	6.49	33.84	26.60	147.5	5.04	4.57	1479.2
250	6.18	33.85	26.64	143.8	5.40	5.43	1478.4
300	5.79	33.88	26.72	137.2	6.11	7.37	1477.6
400	5.22	33.93	26.83	127.4	7.44	12.00	1477.0
500	4.83	34.01	26.94	117.8	8.66	17.50	1477.2
600	4.38	34.09	27.05	107.6	9.78	23.65	1477.0
800	3.87	34.24	27.22	92.8	11.78	37.58	1478.4
1000	3.45	34.35	27.35	80.8	13.50	53.08	1480.0
1200	3.09	34.43	27.45	72.2	15.03	69.84	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	3.02	34.45	27.47	70.6	15.28	72.90	1482.2

*IND MIXED LAYER DEPTH = 14.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

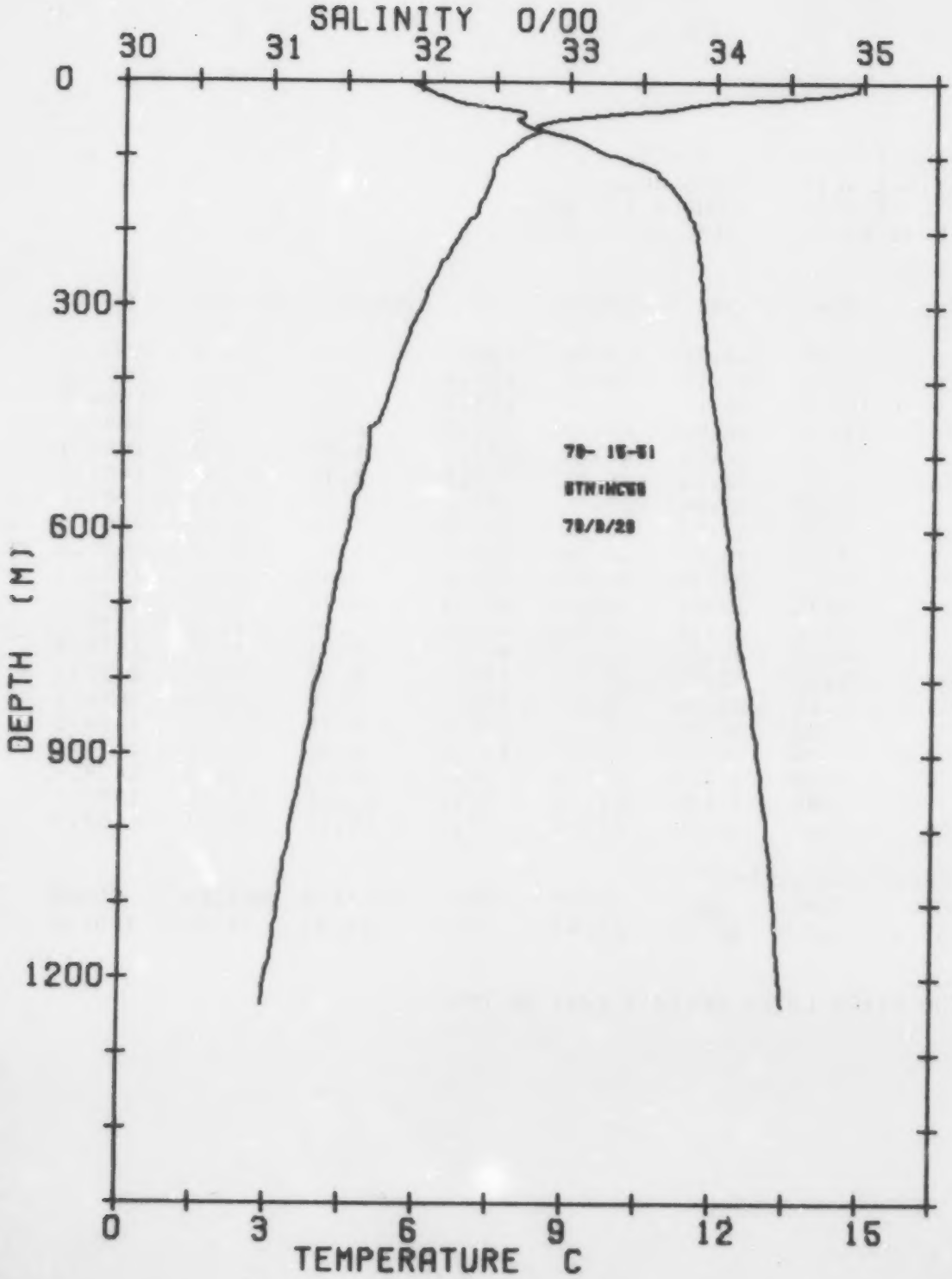
CRUISE : C.O.D.E. 79-15.
STATION: #C18 CONS #050
LAT N 48 42.0 LONG W 127 46.0
DATE 79/09/26 TIME (PST) 1827

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.89	32.06	23.54	435.9	.00	.00	1506.6
10	15.88	32.11	23.58	432.4	.43	.02	1506.8
20	15.85	32.16	23.63	428.1	.86	.09	1506.9
30	12.18	32.43	24.59	336.8	1.26	.18	1495.3
50	9.34	32.60	25.21	277.4	1.84	.42	1485.7
75	7.83	32.81	25.61	240.1	2.49	.82	1480.6
100	7.69	33.24	25.96	207.0	3.05	1.31	1481.1
125	7.37	33.52	26.22	182.3	3.54	1.85	1480.6
150	7.21	33.70	26.39	166.4	3.97	2.45	1480.6
175	7.01	33.78	26.48	158.6	4.38	3.11	1480.3
200	6.71	33.82	26.55	152.1	4.76	3.83	1479.6
225	6.52	33.84	26.59	148.6	5.14	4.63	1479.3
250	6.27	33.84	26.63	145.3	5.51	5.50	1478.7
300	5.82	33.85	26.69	139.7	6.22	7.45	1477.7
400	5.15	33.94	26.84	125.9	7.54	12.09	1476.8
500	4.68	34.02	26.96	115.4	8.75	17.50	1476.5
600	4.40	34.10	27.05	107.5	9.86	23.63	1477.1
800	3.89	34.24	27.22	92.4	11.85	37.45	1478.4
1000	3.48	34.35	27.35	81.3	13.58	53.06	1480.2
1200	3.03	34.44	27.46	71.3	15.11	69.79	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	2.96	34.45	27.47	69.9	15.35	72.79	1482.0

WIND MIXED LAYER DEPTH = 22.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 79-15.
STATION: WC58 CONS #051
LAT N 48 48.5 LONG W 126 52.5
DATE 79/09/26 TIME (PST) 2317

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.88	31.95	23.67	423.0	.00	.00	1503.3
10	14.87	32.04	23.75	416.3	.42	.02	1503.5
20	13.60	32.16	24.10	383.0	.82	.08	1499.7
30	11.51	32.32	24.63	332.9	1.18	.17	1492.9
50	8.85	32.65	25.33	265.9	1.76	.40	1483.9
75	8.06	33.04	25.75	226.7	2.38	.78	1481.8
100	7.61	33.35	26.06	197.6	2.91	1.25	1480.9
125	7.47	33.62	26.29	175.9	3.37	1.77	1481.1
150	7.32	33.74	26.41	165.4	3.80	2.35	1481.1
175	7.16	33.81	26.48	158.5	4.20	3.01	1481.0
200	6.85	33.87	26.57	150.1	4.59	3.73	1480.2
225	6.63	33.89	26.62	146.0	4.96	4.51	1479.8
250	6.40	33.90	26.65	142.8	5.32	5.37	1479.3
300	6.05	33.92	26.72	137.3	6.02	7.29	1478.7
400	5.48	33.97	26.83	127.4	7.34	11.91	1478.1
500	4.99	34.04	26.94	117.5	8.56	17.38	1477.9
600	4.61	34.10	27.03	109.8	9.69	23.61	1478.0
800	3.99	34.25	27.22	93.2	11.74	37.89	1478.9
1000	3.46	34.38	27.37	78.8	13.46	53.33	1480.1
1200	2.97	34.47	27.49	68.0	14.93	69.46	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	2.91	34.49	27.51	66.4	15.16	72.33	1481.8

WIND MIXED LAYER DEPTH = 10.0 METRES

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 1 DATE 23/ 9/79 GMT 2.4
POSITION 50- 5.8 N, 127-56.4 W STATION WC47
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.994	5.403
10		31.992	5.440
20		32.073	5.286
30		32.236	4.946
50		32.666	4.217

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 3 DATE 23/ 9/79 GMT 5.8
POSITION 49-57.0 N, 128-12.5 W STATION WC45
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			5.353
50			5.384
75			4.247
100			4.283
150			3.738
200			2.976
350			2.140
1000			.485

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 5 DATE 23/ 9/79 GMT 15.4
POSITION 49-47.0 N, 128-29.0 W STATION WC43
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.703	6.460
10		31.702	6.273
30		31.705	6.349
50		32.540	6.389
75		32.872	3.313
100		33.281	4.303
150		33.796	3.536
200		33.888	3.005
350		33.987	1.772
500		34.043	1.159
750		34.234	.553
1000		34.407	.505

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 8 DATE 23/ 9/79 GMT 23.4
POSITION 49-31.5 N, 128-57.5 W STATION WC40
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	15.68	32.101	
10		32.100	5.954
30	10.15	32.369	5.986
50		32.664	5.824
75	7.61	32.918	5.060
100		33.345	4.142
150	6.93	33.792	3.347
200		33.909	2.897
350		33.975	1.748
500		34.067	1.018
750	3.86	34.251	.542
1000		34.371	.614

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 9 DATE 24/ 9/79 GMT 3.2
POSITION 49-18.4 N, 128-36.0 W STATION WC38
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30		32.150	5.656
50		32.913	3.861
75		33.325	4.081
100		33.621	3.399
150		33.829	3.005
200		33.922	2.766
350	8.59	33.843	3.002
500		34.076	.972
750	3.68	34.298	.480
1000		34.369	.504

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 10 DATE 24/ 9/79 GMT 7.0
POSITION 49- 6.5 N, 128-21.0 W STATION WC36
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.145	
10		32.176	
30		32.127	
50		32.445	
75		32.711	
100		33.070	
150		33.813	
200		33.906	
350		33.973	
500		34.096	
750		34.258	
1000		34.426	

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 16 DATE 24/ 9/79 GMT 20.4
POSITION 49-34.5 N, 127-35.0 W STATION WC31
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	14.68	31.692	7.637
10		31.690	6.775
20	12.31	32.302	6.263
30		32.647	6.517
50	8.19	32.779	5.938
75		33.117	5.193
100	7.70	33.362	4.599
150		33.776	2.662
200	6.85	33.894	2.121
350		33.953	2.171
500	4.92	34.101	1.022
600		34.149	.701

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 19 DATE 24/ 9/79 GMT 23.7
POSITION 49-46.0 N, 127-20.0 W STATION WC29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	15.36	31.781	
10		31.769	6.902
20	10.73	32.430	5.206
30		32.525	5.110
50	8.20	32.831	4.001
75		33.269	3.795

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 20 DATE 25/ 9/79 GMT 2.0
POSITION 49-35.5 N, 127- .0 W STATION WC27
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.705	6.842
10		31.973	6.539
20		32.302	5.226
30		32.465	4.561
50		32.904	3.833
75		33.193	3.317

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 21 DATE 25/ 9/79 GMT 4.2
POSITION 49-21.0 N, 126-44.2 W STATION WC25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	15.63	31.348	6.529
10		31.625	6.309
20	12.45	32.224	5.605
30		32.386	4.234
50	9.65	32.629	4.258
75		33.158	2.722

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 22 DATE 25/ 9/79 GMT 5.7
POSITION 49-15.5 N, 126-53.0 W STATION WC24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.626
10			6.680
20			5.188
30			6.648
50			5.734
75			4.299
100			3.747
125			1.940

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 23 DATE 25/ 9/79 GMT 6.7
POSITION 49-10.1 N, 127- 1.9 W STATION WC23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.987	6.300
10	14.41	32.012	6.616
30		32.679	6.856
50	8.83	32.711	6.511
75		32.889	5.223
100	7.62	33.443	2.518
150		33.863	3.204
200	6.75	33.924	3.095
350		33.996	1.782

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 24 DATE 25/ 9/79 GMT 8.5
POSITION 49- 4.5 N, 127-10.5 W STATION WC22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	15.24		
10			6.045
30	9.80		
50			4.910
75	7.83		
100			3.381
150	6.89		2.057
200			2.670
350	5.29		1.712
500			1.044
750	4.04		.556
1000			.488

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 47 DATE 26/ 9/79 GMT 8.6
POSITION 49- 4.5 N, 127-10.5 W STATION WC22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	15.40	31.855	6.577
10		32.498	5.541
30	10.50	31.866	6.018
50		32.636	5.393
75	8.06	32.976	4.381
100		33.300	3.575
150	7.19	33.806	2.650
200		33.929	2.814
350	5.41	33.985	1.739
500		34.076	.960
750	4.09	34.246	.517
1000			.510

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 48 DATE 26/ 9/79 GMT 14.7
POSITION 48-52.5 N, 127-28.1 W STATION WC20
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.871	6.132
10		31.908	5.164
20		32.105	
30		32.437	5.101
50		32.604	5.463
75		33.383	4.829
100		33.459	4.132
150		33.809	3.622
200		33.926	2.885
350		33.996	1.828
500		34.102	.903
750		34.272	.682
1000		33.227	3.604

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 50 DATE 26/ 9/79 GMT 18.5
POSITION 48-41.7 N, 127-45.8 W STATION WC18
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.081	5.921
10		32.084	5.990
30		32.235	5.895
50		32.741	3.830
75		33.021	4.630
100		33.328	4.402
150		33.810	3.404
200		33.910	3.310
350		33.975	2.021
500		34.102	.919
750		34.282	
1000		34.406	.613

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 51 DATE 26/ 9/79 GMT 23.2
POSITION 48-48.0 N, 126-52.0 W STATION WC58
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.007	6.318
10		32.010	6.300
30		32.136	5.193
50		32.564	4.611
75		33.097	2.784
100		33.501	3.475
150		33.633	3.313
200		33.917	2.710
350		34.000	1.724
500		34.065	1.085
750		34.226	.607
1000		34.382	.491

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 79- 15- 52 DATE 27/ 9/79 GMT 2.7
POSITION 48-43.0 N, 125-15.0 W STATION WC61
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.928	6.295
10		32.156	5.743
30		32.539	4.185
50		32.859	3.569
75		33.513	3.968
150		33.665	2.498

Volume

2

Water Property Observations Off the West Coast of Vancouver Island During CODE: May 1979 to September 1980

R.E. Thomson, W.R. Crawford, and W.S. Huggett

Institute of Ocean Sciences
Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

1984

Canadian Data Report of Hydrography and Ocean Sciences No. 23 (2)

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of Hydrography and Ocean Sciences No. 23(2)

1984

WATER PROPERTY OBSERVATIONS OFF THE WEST COAST OF VANCOUVER ISLAND DURING CODE: MAY 1979 TO SEPTEMBER 1980

by

R.E. Thomson
W.R. Crawford
and
W.S. Huggett

Institute of Ocean Sciences
Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

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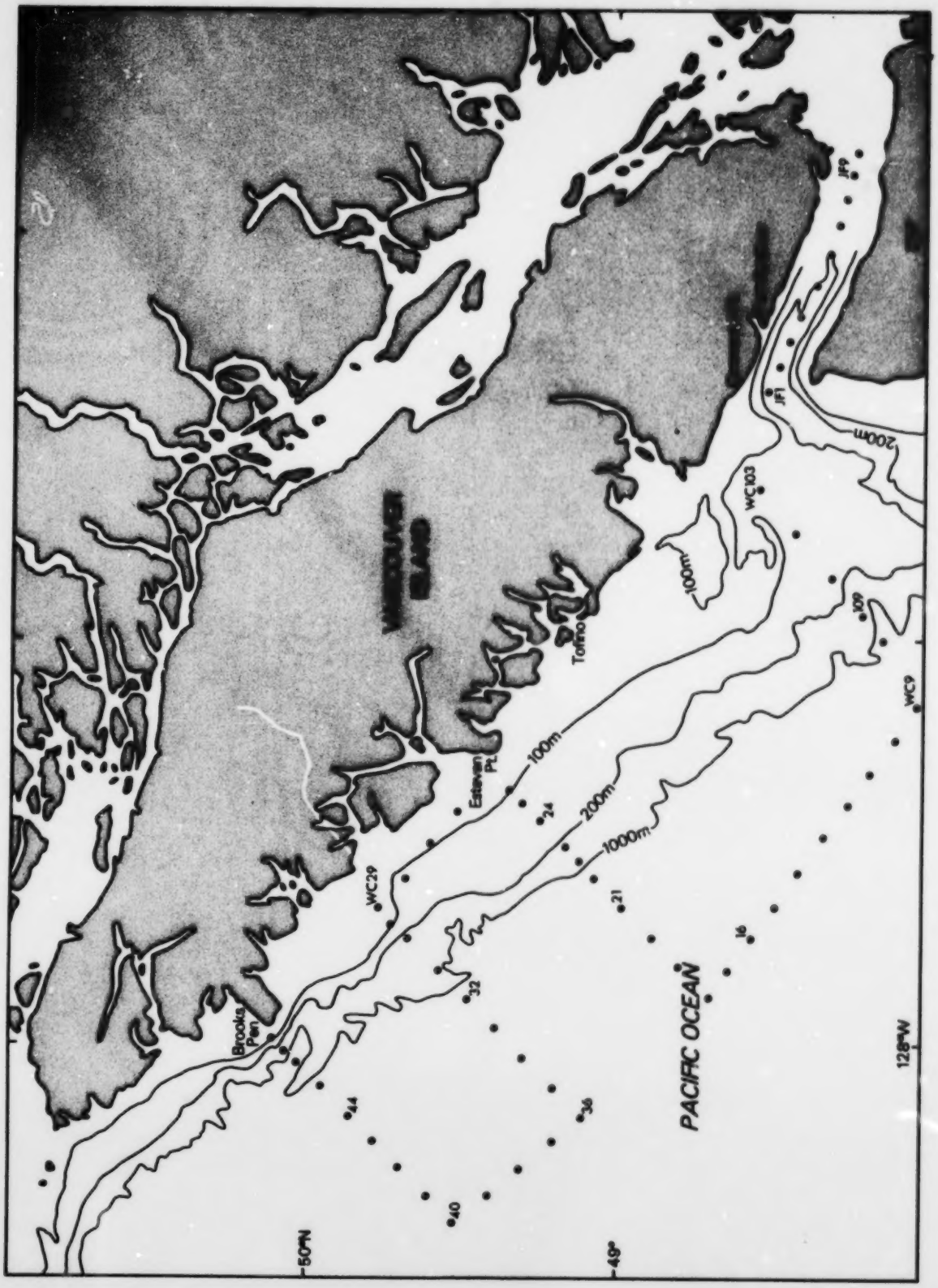
Can. Data Rep. Hydrogr. Ocean Sci. 23: (Vol. 2) 376 p.

CRUISE 80-10
JANUARY 1980


VANCOUVER ISLAND
Tofino
Estevan Pt.
Brooks Pen
PACIFIC OCEAN
100m
200m
1000m
WC29
WC103
WC9
JF1
JF9
24
21
16
32
36
40
44
50°N
49°
128°W

COASTAL OCEANIC DYNAMICS EXPERIMENT

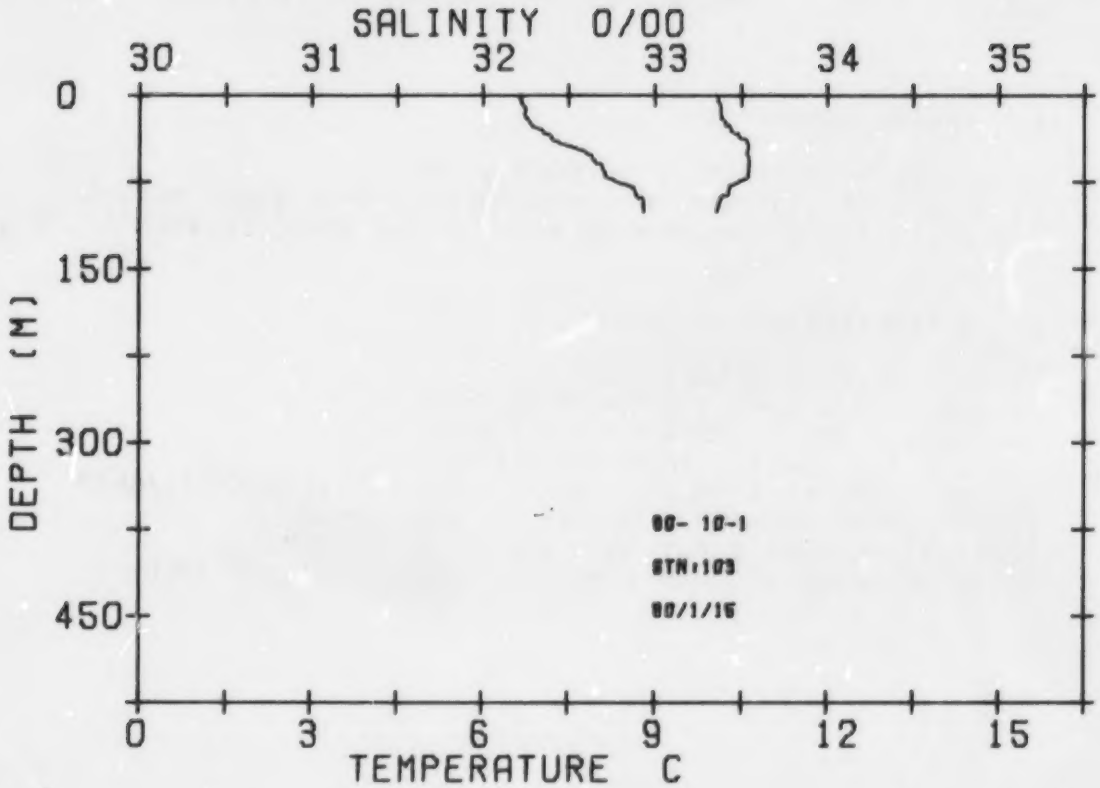
CRUISE 80-10. JANUARY 15 - JANUARY 27 , 1980

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 68
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 120.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 54

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-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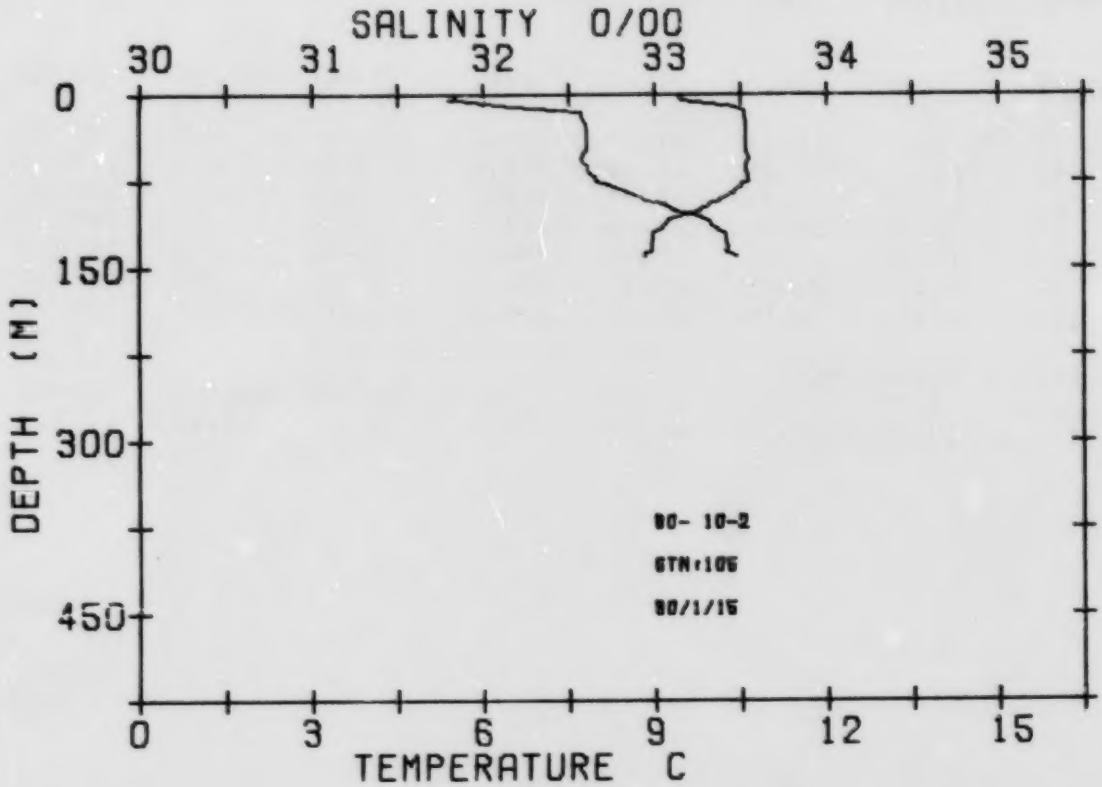
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-1
STN:103
80/1/16
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: 103 CONS #001
LAT N 48 32.2 LONG W 125 15.5
DATE 80/01/15 TIME (PST) 1919

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.07	32.21	24.79	316.7	.00	.00	1487.1
10	10.14	32.25	24.81	315.4	.32	.02	1487.5
20	10.15	32.26	24.81	315.1	.63	.06	1487.8
30	10.32	32.35	24.85	311.1	.95	.14	1488.7
50	10.59	32.62	25.02	296.0	1.56	.39	1490.3
75	10.48	32.79	25.17	282.0	2.28	.84	1490.5
100	10.09	32.94	25.36	264.6	2.96	1.43	1489.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.1	10.09	32.94	25.36	264.5	2.96	1.43	1489.7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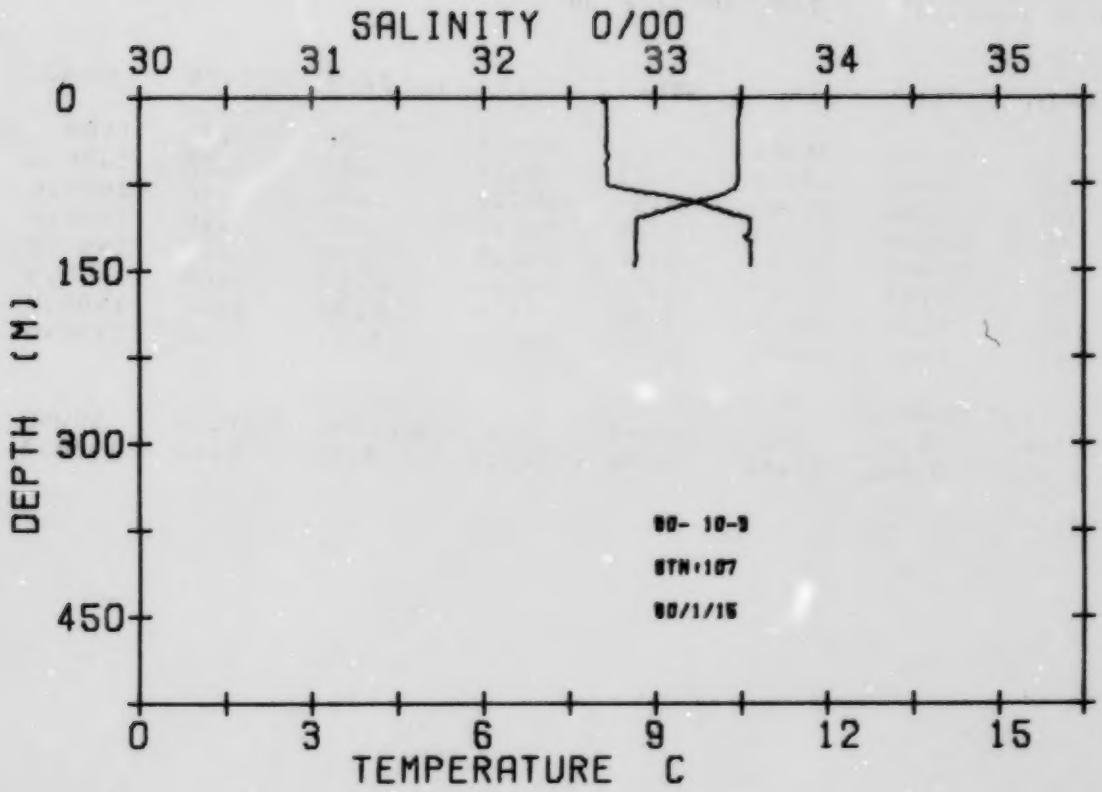
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-2
STN:105
80/1/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: 105 CONS #002
LAT N 48 25.5 LONG W 125 28.3
DATE 80/01/15 TIME (PST) 2130

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.45	31.84	24.60	334.7	.00	.00	1484.3
10	10.40	32.18	24.71	324.7	.33	.02	1488.4
20	10.56	32.58	24.99	297.9	.64	.06	1489.6
30	10.59	32.61	25.01	296.5	.93	.14	1490.0
50	10.60	32.59	25.00	298.0	1.53	.37	1490.3
75	10.63	32.67	25.05	293.4	2.27	.84	1490.9
100	9.81	33.12	25.54	247.1	2.94	1.42	1488.9
125	8.96	33.42	25.91	212.6	3.50	2.05	1486.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
140.0	8.81	33.48	25.98	205.6	3.82	2.47	1486.3

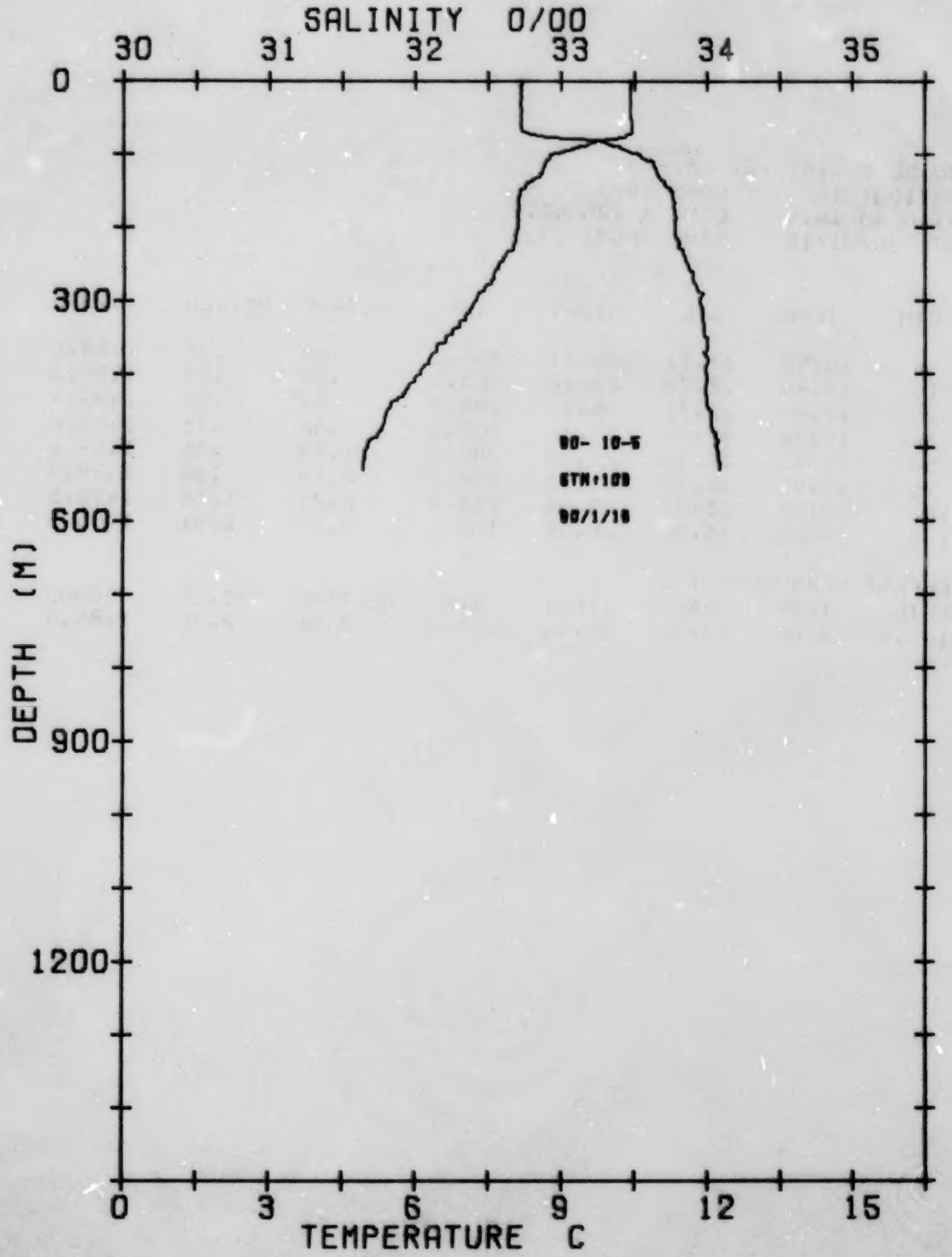

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-3
STN:107
80/1/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: 107 CONS #003
LAT N 48 18.5 LONG W 125 41.2
DATE 80/01/15 TIME (PST) 2328

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.48	32.71	25.11	286.2	.00	.00	1489.2
10	10.46	32.72	25.12	285.4	.29	.01	1489.3
20	10.45	32.72	25.12	285.7	.57	.06	1489.4
30	10.44	32.72	25.12	285.5	.86	.13	1489.6
50	10.43	32.73	25.13	285.2	1.43	.36	1489.8
75	10.45	32.72	25.13	286.2	2.14	.80	1490.3
100	9.05	33.42	25.90	212.8	2.77	1.34	1486.5
125	8.65	33.55	26.06	198.1	3.27	1.91	1485.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
145.8	8.64	33.55	26.06	198.2	3.68	2.46	1485.9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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-5
STN:109
90/1/16
0
3
6
9
12
15
TEMPERATURE C

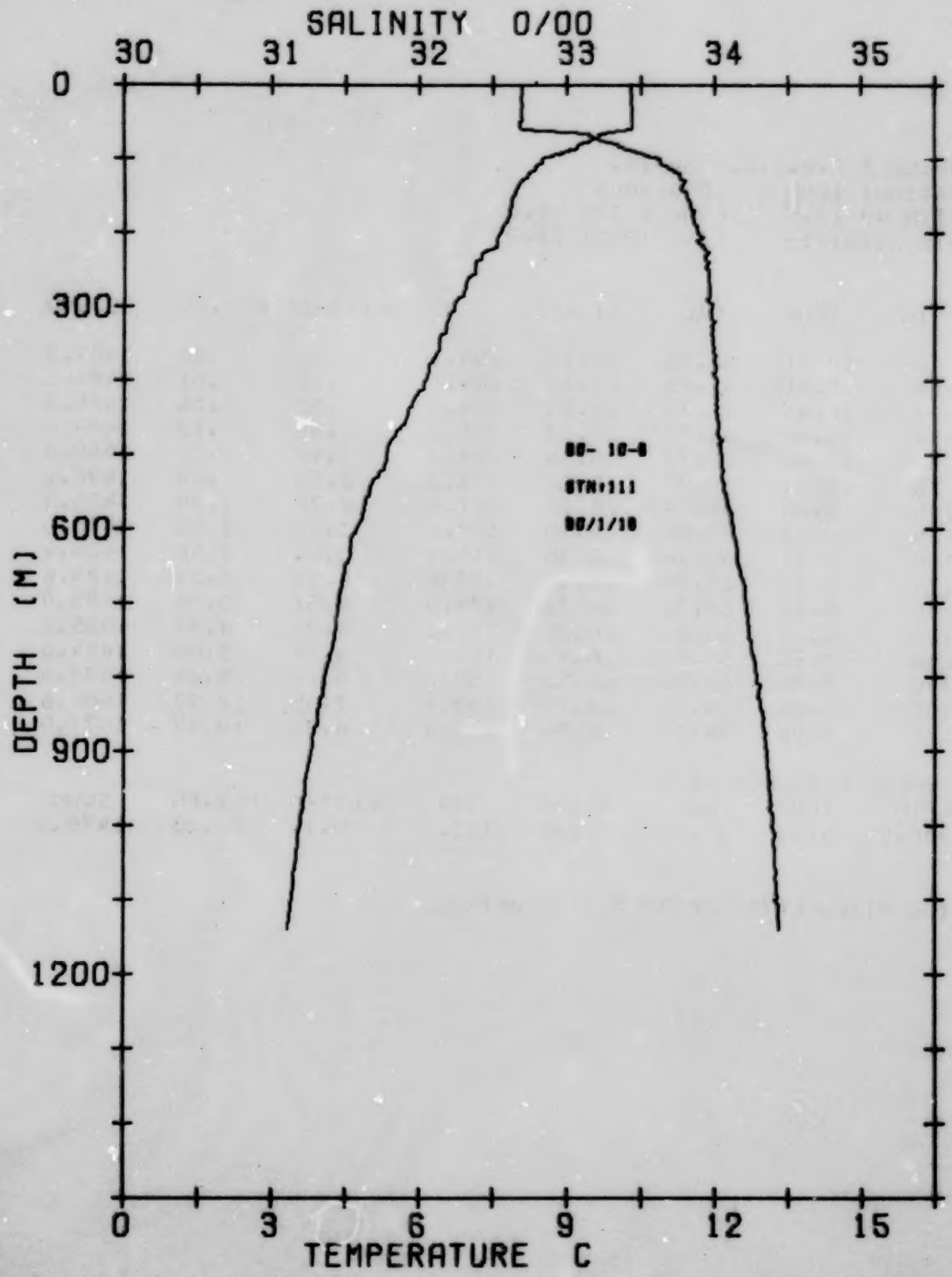
CRUISE : C.O.D.E. 80-10.
STATION: 109 CONS #005
LAT N 48 12.9 LONG W 125 52.0
DATE 80/01/16 TIME (PST) 0149

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.41	32.73	25.13	284.1	.00	.00	1489.0
10	10.41	32.73	25.14	284.0	.28	.01	1489.1
20	10.41	32.73	25.13	284.5	.57	.06	1489.3
30	10.42	32.72	25.13	285.2	.85	.13	1489.5
50	10.42	32.73	25.14	284.8	1.42	.36	1489.8
75	10.31	32.90	25.28	271.3	2.13	.80	1490.1
100	8.84	33.54	26.02	201.4	2.70	1.29	1485.8
125	8.61	33.66	26.15	189.2	3.18	1.83	1485.6
150	8.16	33.76	26.30	175.5	3.64	2.46	1484.4
175	8.12	33.78	26.32	173.9	4.07	3.17	1484.6
200	8.12	33.76	26.32	174.6	4.51	3.98	1485.0
225	8.05	33.80	26.35	172.0	4.94	4.90	1485.2
250	7.75	33.87	26.45	162.9	5.36	5.89	1484.6
300	7.26	33.95	26.58	150.8	6.14	8.04	1483.6
400	6.09	34.00	26.77	133.4	7.55	12.97	1480.6
500	5.00	34.07	26.96	115.4	8.80	18.57	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
530.0	4.93	34.09	26.99	113.5	9.14	20.33	1478.2

WIND MIXED LAYER DEPTH = 71.2 METRES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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-8
STN:111
80/1/10
0
3
6
9
12
15
TEMPERATURE C

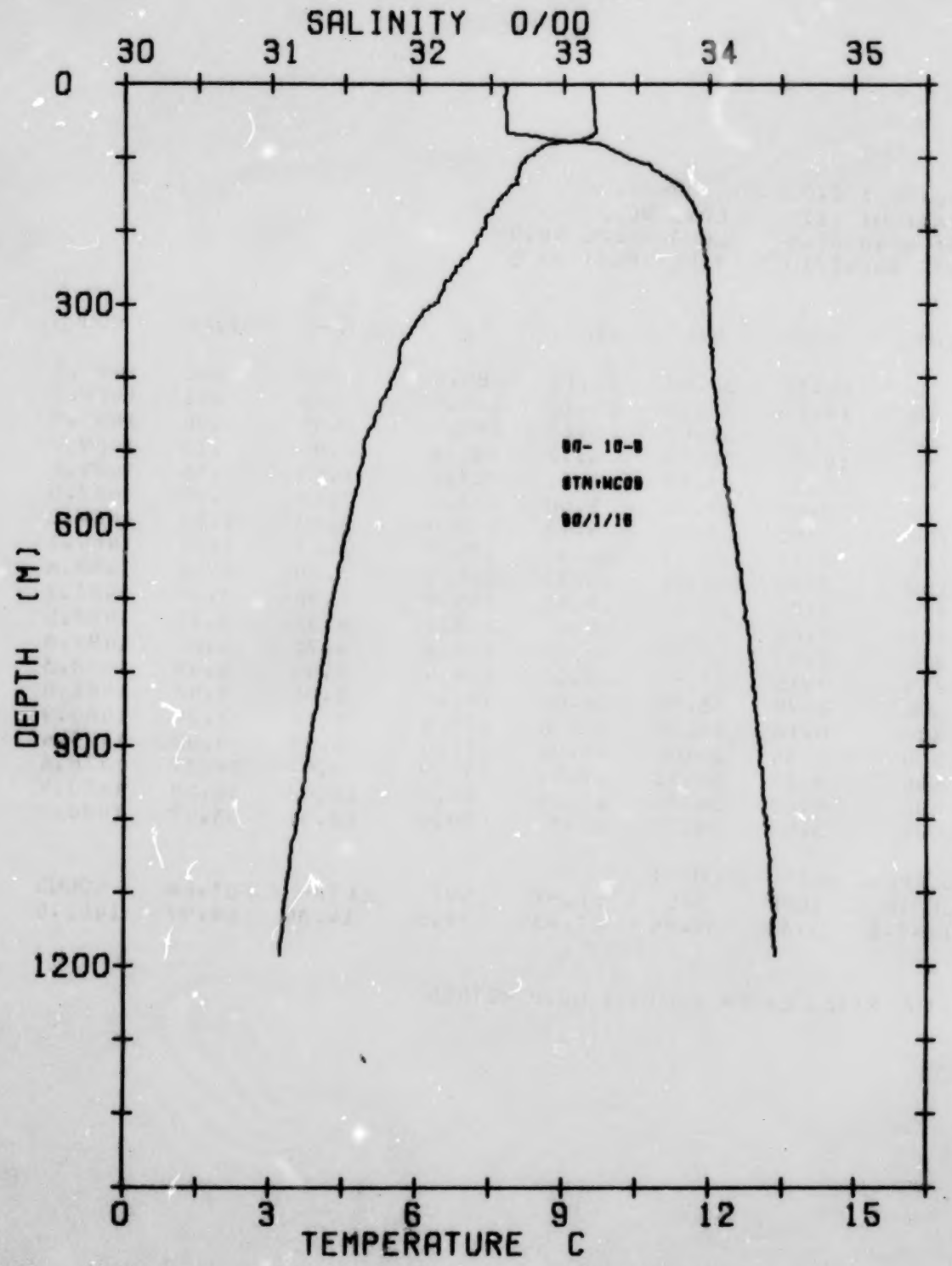
CRUISE : C.O.D.E. 80-10.
STATION: 111 CONS #006
LAT N 48 08.5 LONG W 126 00.0
DATE 80/01/16 TIME (PST) 0325

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.31	32.69	25.12	285.0	.00	.00	1488.5
10	10.29	32.70	25.13	284.5	.28	.01	1488.7
20	10.31	32.69	25.13	285.0	.57	.06	1488.9
30	10.31	32.69	25.12	285.4	.85	.13	1489.0
50	10.32	32.68	25.11	287.2	1.43	.36	1489.4
75	9.49	33.23	25.68	233.2	2.09	.77	1487.5
100	8.53	33.62	26.13	190.9	2.62	1.23	1484.8
125	8.21	33.77	26.30	174.9	3.07	1.74	1484.1
150	7.95	33.81	26.37	168.5	3.50	2.33	1483.6
175	7.85	33.85	26.42	164.5	3.92	3.00	1483.7
200	7.68	33.89	26.47	160.2	4.32	3.76	1483.5
225	7.37	33.96	26.57	150.8	4.72	4.60	1482.8
250	7.15	33.96	26.60	148.4	5.09	5.49	1482.3
300	6.74	33.98	26.68	141.6	5.82	7.48	1481.6
400	6.16	34.02	26.78	132.8	7.19	12.29	1480.9
500	5.35	34.04	26.90	121.8	8.47	18.02	1479.4
600	4.75	34.13	27.04	108.9	9.62	24.37	1478.6
800	4.08	34.29	27.24	91.0	11.62	38.28	1479.4
1000	3.59	34.39	27.37	79.5	13.31	53.47	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1140.1	3.33	34.44	27.43	74.3	14.39	64.97	1482.0

*IND MIXED LAYER DEPTH = 60.0 METRES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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-8
STN:NCOD
80/1/16
0
3
6
9
12
15
TEMPERATURE C

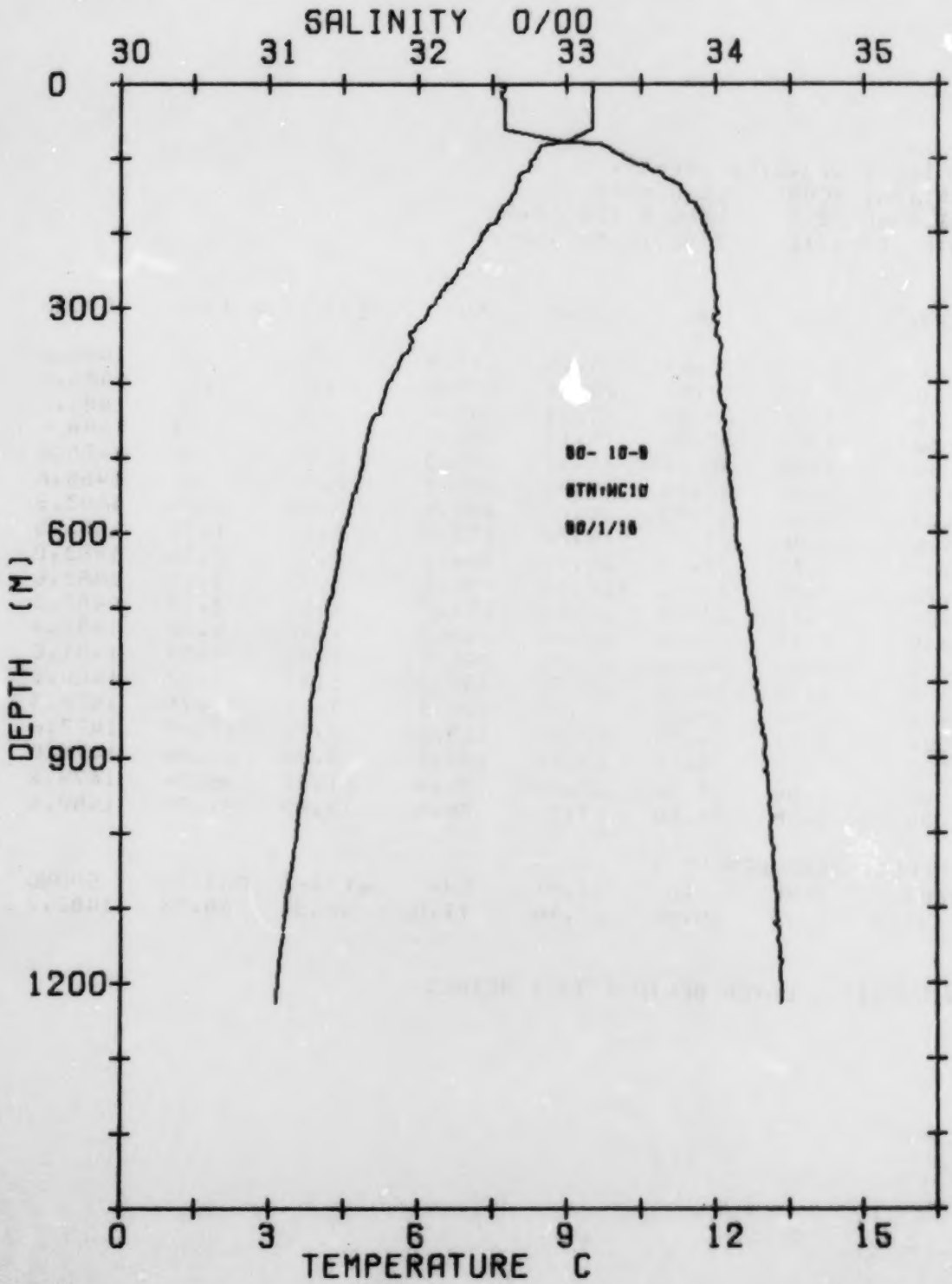
CRUISE : C.O.D.E. 80-10.
STATION: WC09 CONS #008
LAT N 48 02.5 LONG W 126 20.0
DATE 80/01/16 TIME (PST) 0645

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.59	32.61	25.18	279.9	.00	.00	1485.8
10	9.59	32.61	25.18	279.8	.28	.01	1486.0
20	9.61	32.60	25.17	280.8	.56	.06	1486.2
30	9.62	32.60	25.17	281.4	.84	.13	1486.4
50	9.64	32.61	25.17	281.3	1.40	.35	1486.8
75	9.37	32.95	25.48	252.2	2.09	.78	1486.6
100	8.26	33.43	26.03	200.4	2.63	1.25	1483.5
125	8.06	33.70	26.27	177.9	3.10	1.78	1483.5
150	7.79	33.84	26.42	164.5	3.53	2.36	1483.0
175	7.55	33.91	26.51	156.2	3.93	3.01	1482.6
200	7.33	33.94	26.56	151.2	4.31	3.73	1482.2
225	7.13	33.97	26.61	146.9	4.68	4.52	1481.9
250	6.80	33.98	26.67	141.5	5.04	5.37	1481.0
300	6.35	34.00	26.74	135.1	5.73	7.27	1480.0
400	5.51	34.02	26.87	124.2	7.02	11.75	1478.3
500	4.91	34.08	26.98	113.6	8.20	17.07	1477.6
600	4.58	34.17	27.09	104.2	9.29	23.06	1478.0
800	4.04	34.30	27.25	89.9	11.22	36.54	1479.2
1000	3.56	34.40	27.38	78.6	12.92	51.75	1480.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1185.8	3.20	34.46	27.46	71.5	14.31	66.93	1482.2

WIND MIXED LAYER DEPTH = 73.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-9
STN:WC10
80/1/16
0
3
6
9
12
15
TEMPERATURE C

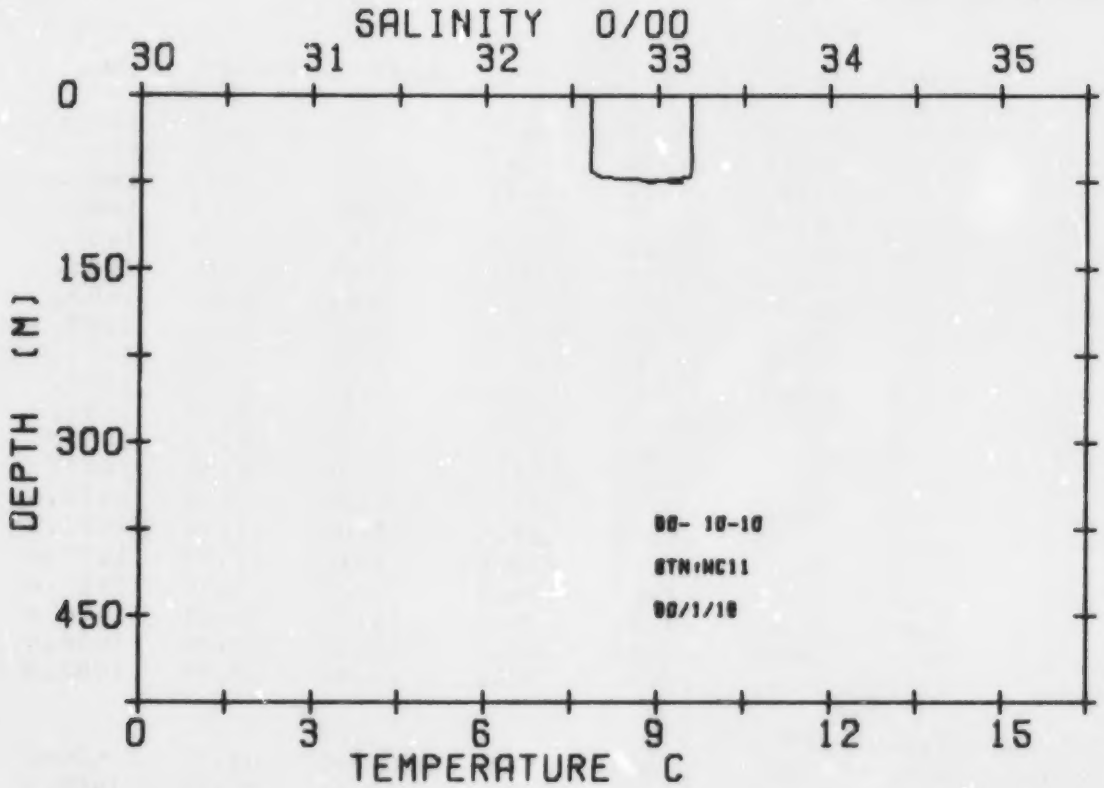
CRUISE : C.O.D.E. 80-10.
STATION: WC10 CONS #009
LAT N 48 06.5 LONG W 126 29.5
DATE 80/01/16 TIME (PST) 0858

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.51	32.58	25.17	280.7	.00	.00	1485.
10	9.53	32.56	25.15	282.8	.28	.01	1485.7
20	9.51	32.58	25.17	281.1	.56	.06	1485.8
30	9.51	32.58	25.17	281.4	.84	.13	1486.
50	9.51	32.58	25.16	281.9	1.41	.35	1486.
75	9.08	32.94	25.70	231.0	2.07	.76	1485.
100	8.33	33.39	25.99	204.7	2.61	1.23	1483.
125	8.03	33.66	26.24	180.8	3.09	1.77	1483.3
150	7.90	33.81	26.38	168.3	3.52	2.36	1483.4
175	7.63	33.91	26.50	157.2	3.93	3.02	1482.
200	7.32	33.95	26.57	150.2	4.32	3.75	1482.2
225	7.08	33.97	26.62	145.8	4.69	4.53	1481.
250	6.82	33.98	26.66	142.1	5.05	5.39	1481.
300	6.25	34.00	26.76	133.7	5.73	7.28	1479.6
400	5.41	34.03	26.88	122.5	7.01	11.74	1477.9
500	4.91	34.08	26.99	113.4	8.19	17.03	1477.6
600	4.50	34.14	27.07	105.5	9.28	23.04	1477.6
800	3.90	34.28	27.25	89.8	11.23	36.61	1478.6
1000	3.57	34.38	27.36	80.2	12.92	51.84	1480.6
1200	3.17	34.45	27.45	72.2	14.44	68.54	1482.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1225.1	3.15	34.44	27.45	72.4	14.62	70.72	1482.6

WIND MIXED LAYER DEPTH = 64.0 METRES

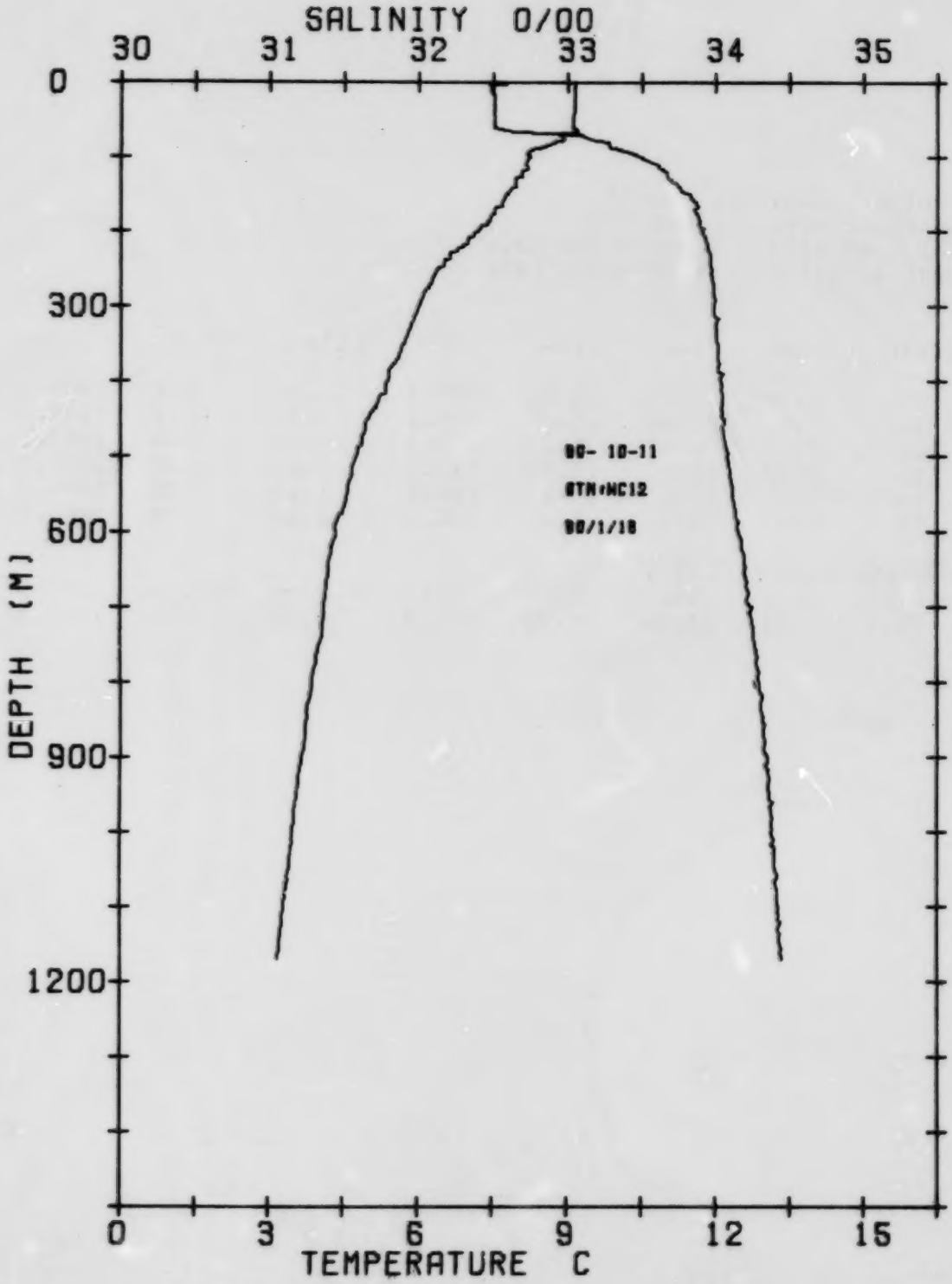

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
00- 10-10
STN:NC11
00/1/10
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: WC11 CONS #010
LAT N 48 11.0 LONG W 126 39.5
DATE 80/01/16 TIME (PST) 1045

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.58	32.61	25.18	279.3	.00	.00	1485.8
10	9.57	32.62	25.19	279.1	.28	.01	1485.9
20	9.57	32.62	25.19	279.3	.56	.06	1486.1
30	9.57	32.62	25.19	279.5	.84	.13	1486.3
50	9.58	32.61	25.18	280.2	1.40	.35	1486.6
75	8.87	33.12	25.69	232.5	2.08	.78	1485.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
75.3	8.83	33.14	25.72	229.9	2.09	.78	1484.9


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
00- 10-11
STN:NC12
00/1/18
0
3
6
9
12
15
TEMPERATURE C

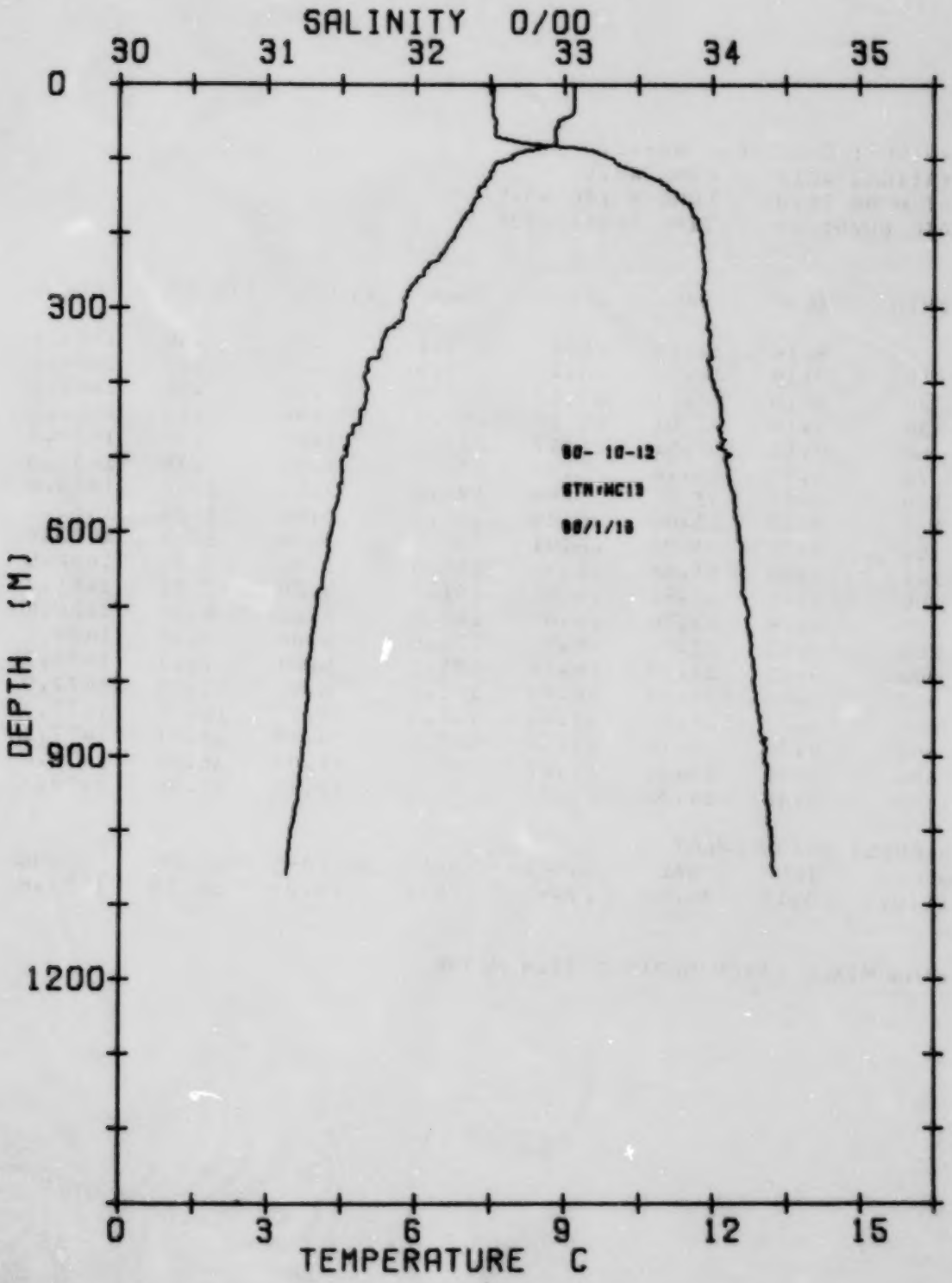
CRUISE : C.O.D.E. 80-10.
STATION: WC12 CONS #011
LAT N 48 16.0 LONG W 126 49.5
DATE 80/01/16 TIME (PST) 1231

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.14	32.59	25.24	274.1	.00	.00	1484.1
10	9.14	32.49	25.16	281.5	.28	.01	1484.1
20	9.15	32.51	25.17	280.8	.56	.06	1484.4
30	9.15	32.51	25.17	280.9	.84	.13	1484.5
50	9.13	32.51	25.17	281.1	1.40	.35	1484.8
75	8.93	33.16	25.71	230.3	2.07	.76	1485.3
100	8.26	33.50	26.08	195.5	2.59	1.22	1483.6
125	8.07	33.68	26.25	180.0	3.06	1.74	1483.5
150	7.79	33.83	26.41	165.4	3.49	2.34	1483.0
175	7.52	33.88	26.49	158.0	3.89	2.99	1482.5
200	7.21	33.91	26.56	151.7	4.28	3.72	1481.7
225	6.79	33.96	26.65	143.0	4.65	4.50	1480.5
250	6.43	33.98	26.72	136.8	5.00	5.33	1479.5
300	6.03	33.99	26.78	131.5	5.67	7.17	1478.7
400	5.40	34.04	26.89	122.0	6.93	11.59	1477.9
500	4.77	34.08	27.00	112.0	8.10	16.84	1477.0
600	4.34	34.16	27.11	102.0	9.17	22.71	1477.0
800	3.86	34.30	27.27	88.1	11.07	35.94	1478.4
1000	3.48	34.36	27.37	79.1	12.73	50.86	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1170.4	3.18	34.45	27.45	72.1	14.01	64.78	1481.8

WIND MIXED LAYER DEPTH = 71.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-12
STN:HC19
80/1/19
0
3
6
9
12
15
TEMPERATURE C

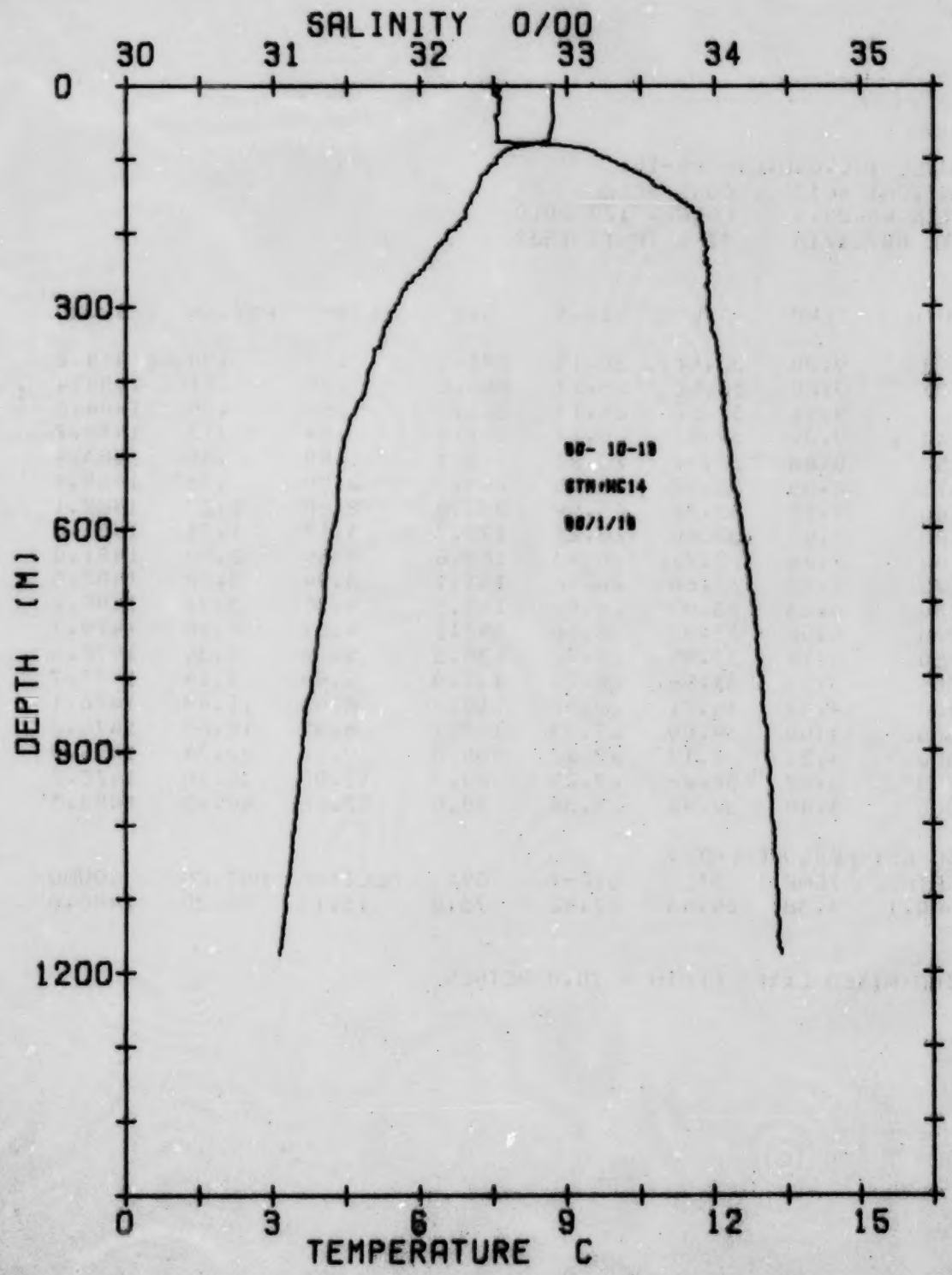
CRUISE : C.O.D.E. 80-10.
STATION: #C13 CONS #012
LAT N 48 20.5 LONG W 127 00.0
DATE 80/01/16 TIME (PST) 1532

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.20	32.50	25.15	281.9	.00	.00	1484.2
10	9.20	32.52	25.17	280.6	.28	.01	1484.4
20	9.21	32.52	25.17	281.2	.56	.06	1484.6
30	9.20	32.52	25.17	281.0	.84	.13	1484.7
50	8.88	32.54	25.23	275.3	1.40	.35	1483.9
75	8.85	32.67	25.35	265.0	2.09	.78	1484.4
100	7.92	33.32	25.99	203.8	2.66	1.27	1482.1
125	7.49	33.60	26.27	177.7	3.13	1.81	1481.2
150	7.28	33.77	26.43	162.6	3.55	2.39	1481.0
175	7.02	33.88	26.56	151.1	3.94	3.02	1480.5
200	6.83	33.93	26.62	145.5	4.31	3.71	1480.2
225	6.58	33.93	26.66	142.1	4.67	4.48	1479.7
250	6.18	33.95	26.72	136.3	5.02	5.30	1478.5
300	5.79	33.96	26.78	130.9	5.69	7.14	1477.7
400	4.97	34.01	26.92	118.8	6.93	11.48	1476.1
500	4.60	34.09	27.03	109.1	8.07	16.60	1476.3
600	4.31	34.18	27.13	100.0	9.12	22.34	1476.9
800	3.82	34.28	27.25	89.3	11.00	35.46	1478.2
1000	3.49	34.40	27.38	78.0	12.66	50.43	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1060.1	3.38	34.43	27.42	75.0	13.13	55.20	1480.8

WIND MIXED LAYER DEPTH = 70.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-19
STN#HC14
90/1/19
0
3
6
9
12
15
TEMPERATURE C

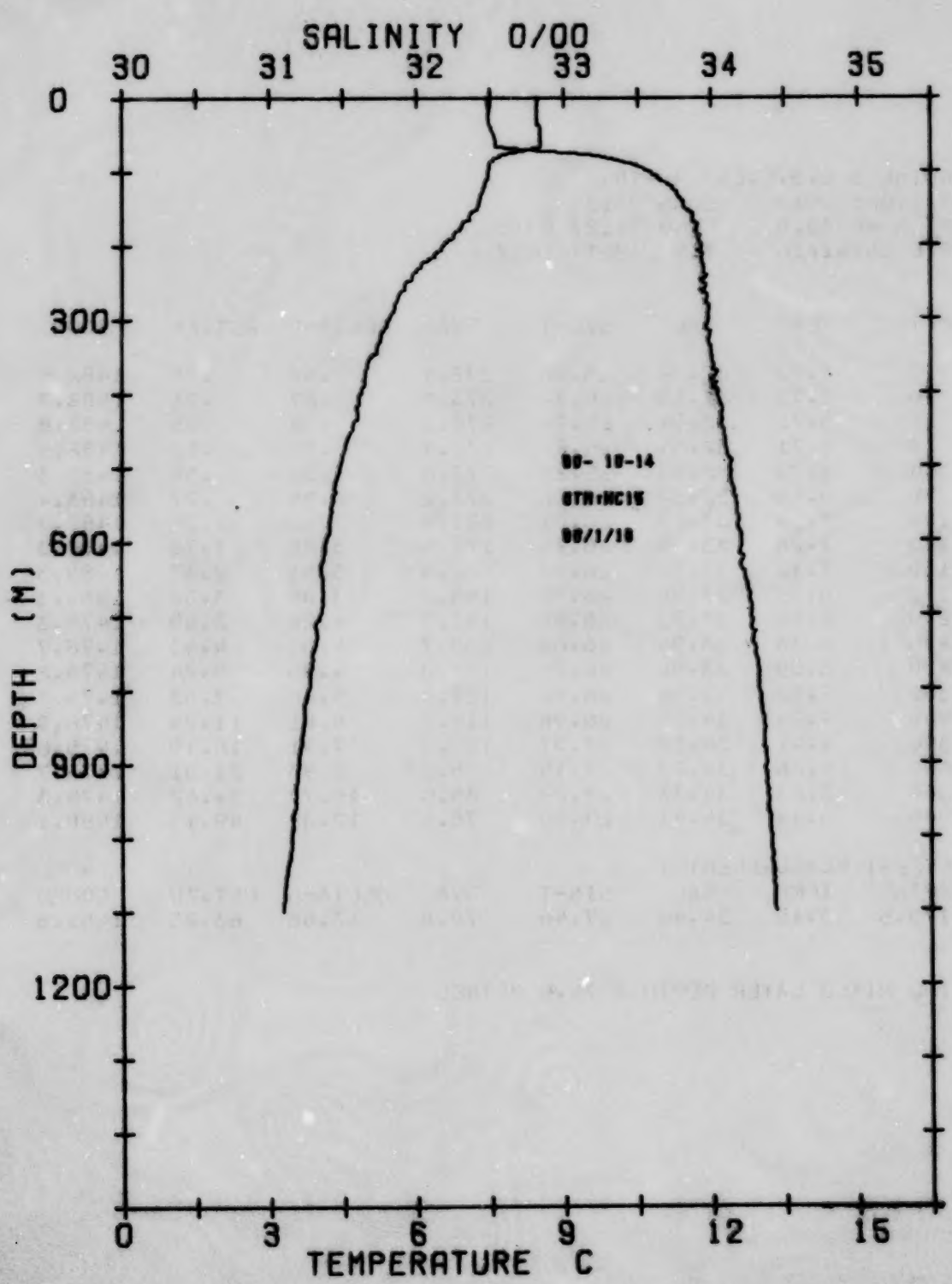
CRUISE : C.O.D.E. 80-10.
STATION: WC14 CONS #013
LAT N 48 25.0 LONG W 127 09.5
DATE 80/01/16 TIME (PST) 1657

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.72	32.54	25.26	272.1	.00	.00	1482.5
10	8.73	32.52	25.24	273.9	.27	.01	1482.7
20	8.71	32.54	25.26	272.0	.54	.05	1482.8
30	8.71	32.54	25.26	272.4	.82	.12	1482.9
50	8.73	32.53	25.25	273.8	1.36	.34	1483.3
75	8.65	32.52	25.26	273.2	2.04	.77	1483.4
100	7.59	33.29	26.01	201.9	2.60	1.25	1480.7
125	7.28	33.55	26.26	178.4	3.08	1.78	1480.3
150	7.12	33.74	26.44	162.4	3.51	2.37	1480.3
175	6.95	33.90	26.58	148.8	3.89	3.00	1480.3
200	6.60	33.93	26.65	142.3	4.26	3.69	1479.3
225	6.33	33.94	26.69	138.7	4.61	4.43	1478.7
250	6.09	33.96	26.75	134.0	4.95	5.24	1478.2
300	5.52	33.96	26.82	127.4	5.60	7.03	1476.7
400	4.94	34.06	26.96	114.7	6.81	11.24	1476.0
500	4.41	34.12	27.07	105.3	7.91	16.19	1475.6
600	4.26	34.20	27.15	98.2	8.93	21.81	1476.7
800	3.83	34.33	27.29	85.5	10.77	34.62	1478.3
1000	3.44	34.41	27.40	76.4	12.38	49.13	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1175.5	3.15	34.46	27.46	70.8	13.68	63.25	1481.8

WIND MIXED LAYER DEPTH = 74.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

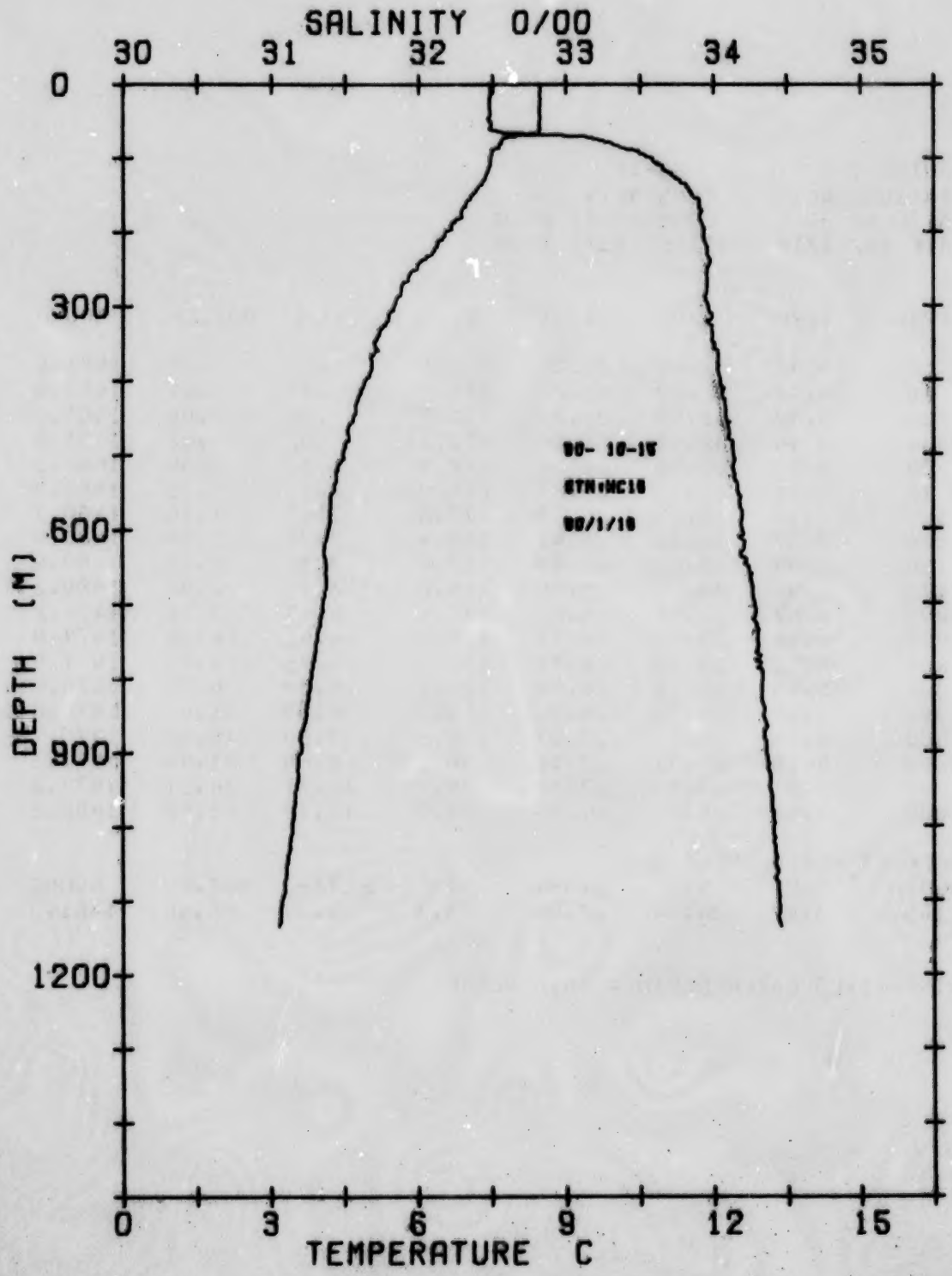
CRUISE : C.O.D.E. 80-10.
STATION: WC15 CONS #014
LAT N 48 30.0 LONG W 127 20.0
DATE 80/01/16 TIME (PST) 1834

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.47	32.49	25.26	272.1	.00	.00	1481.5
10	8.47	32.49	25.26	271.9	.27	.01	1481.6
20	8.47	32.49	25.26	272.0	.54	.05	1481.8
30	8.46	32.49	25.26	272.1	.82	.12	1481.9
50	8.53	32.53	25.28	270.4	1.36	.34	1482.5
75	7.81	33.15	25.87	214.9	2.01	.75	1481.0
100	7.48	33.59	26.27	177.8	2.49	1.16	1480.7
125	7.37	33.76	26.41	164.4	2.92	1.64	1480.9
150	7.24	33.83	26.49	157.4	3.32	2.20	1480.9
175	6.94	33.90	26.59	148.6	3.70	2.82	1480.2
200	6.57	33.94	26.66	141.4	4.07	3.50	1479.2
225	6.14	33.95	26.73	135.6	4.42	4.24	1477.9
250	5.81	33.95	26.77	131.1	4.75	5.03	1477.0
300	5.45	33.98	26.84	125.1	5.39	6.79	1476.4
400	4.88	34.04	26.95	115.2	6.59	11.00	1475.8
500	4.44	34.13	27.07	104.6	7.69	15.92	1475.7
600	4.16	34.21	27.16	96.6	8.69	21.44	1476.3
800	3.81	34.33	27.30	84.9	10.51	34.11	1478.2
1000	3.45	34.41	27.40	76.7	12.12	48.58	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1100.4	3.27	34.44	27.44	73.3	12.87	56.48	1481.0

WIND MIXED LAYER DEPTH = 68.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

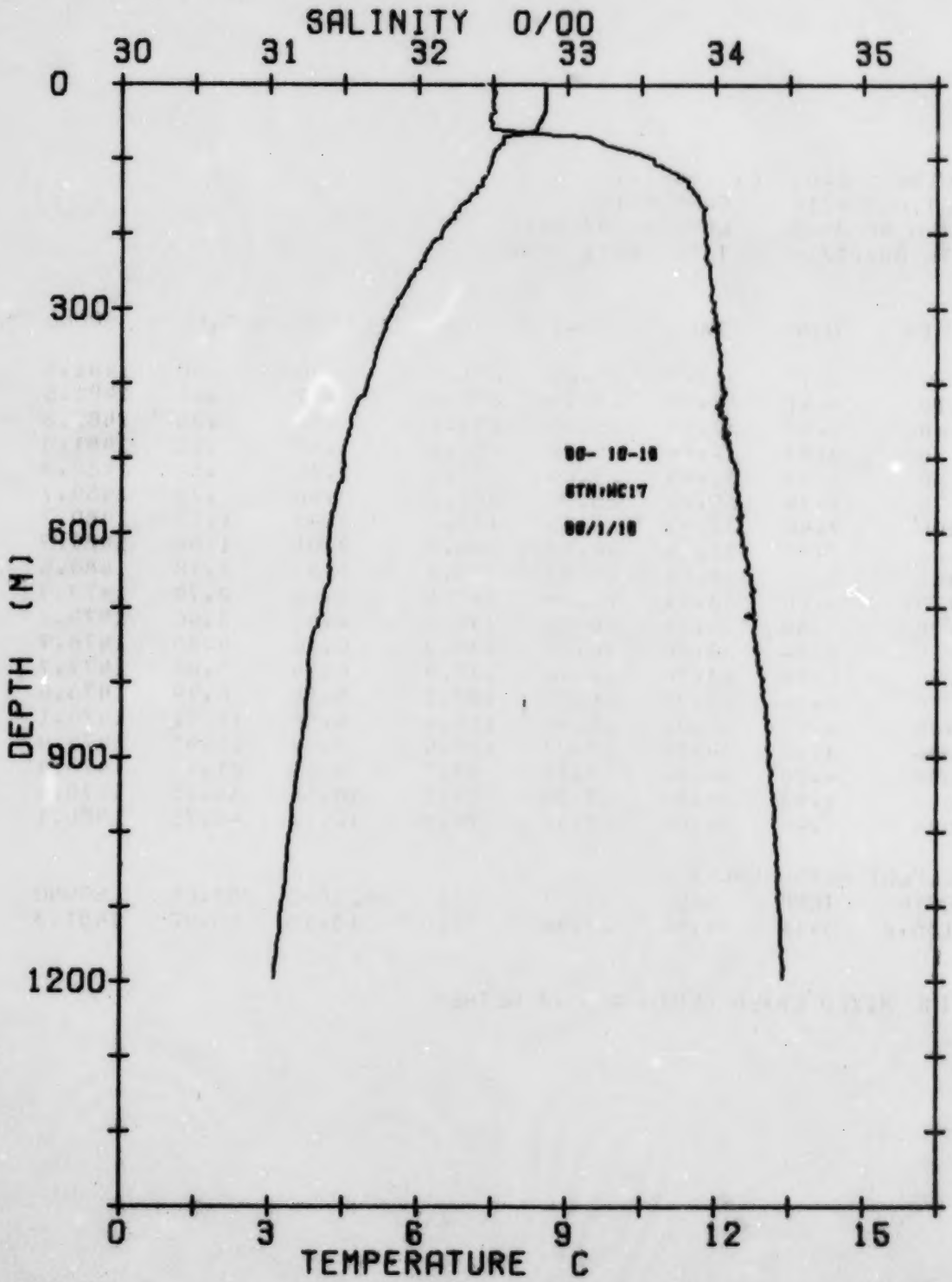
CRUISE : C.O.D.E. 80-10.
STATION: WC16 CONS #015
LAT N 48 34.5 LONG W 127 30.0
DATE 80/01/16 TIME (PST) 2052

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.47	32.49	25.26	271.8	.00	.00	1481.5
10	8.47	32.49	25.26	272.4	.27	.01	1481.6
20	8.47	32.48	25.25	273.2	.54	.05	1481.8
30	8.47	32.48	25.26	272.8	.82	.12	1481.9
50	8.47	32.49	25.26	272.9	1.36	.34	1482.3
75	7.70	33.24	25.96	206.2	2.00	.73	1480.7
100	7.48	33.57	26.25	179.1	2.48	1.15	1480.7
125	7.39	33.74	26.40	165.9	2.91	1.64	1480.9
150	7.12	33.86	26.53	153.5	3.31	2.18	1480.5
175	6.86	33.91	26.60	147.1	3.68	2.79	1479.9
200	6.58	33.94	26.66	141.5	4.04	3.46	1479.2
225	6.34	33.96	26.71	136.9	4.39	4.20	1478.7
250	5.98	33.96	26.76	132.8	4.72	5.00	1477.7
300	5.51	33.97	26.82	127.1	5.38	6.79	1476.6
400	4.97	34.05	26.95	115.4	6.58	11.01	1476.1
500	4.48	34.14	27.07	104.4	7.68	15.93	1475.9
600	4.20	34.20	27.15	97.7	8.69	21.45	1476.4
800	3.83	34.34	27.30	84.7	10.52	34.23	1478.4
1000	3.46	34.41	27.40	76.8	12.13	48.75	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1135.2	3.18	34.46	27.46	71.0	13.13	59.42	1481.3

WIND MIXED LAYER DEPTH = 65.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:HC17
0
3
6
9
12
15
TEMPERATURE C

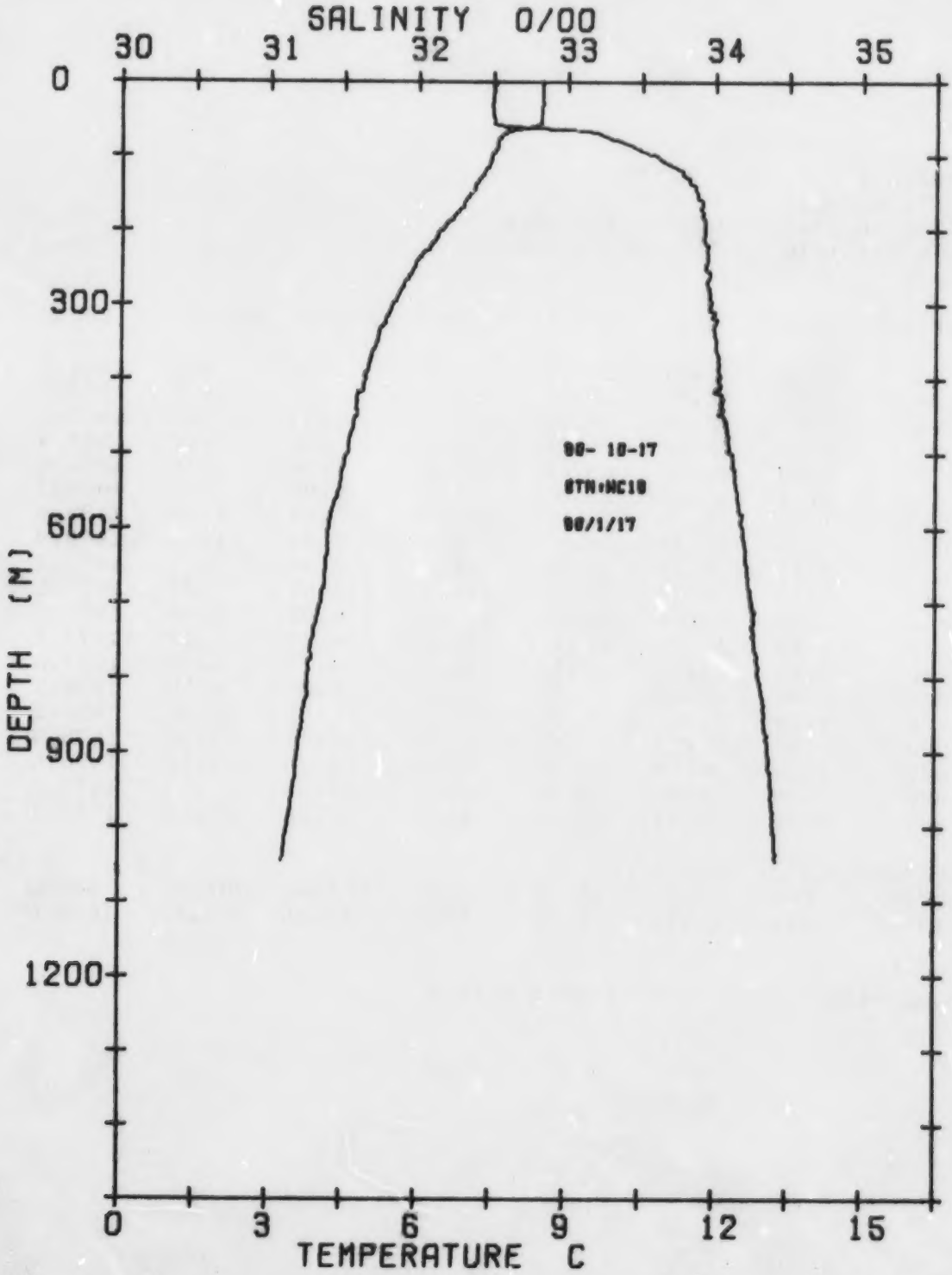
CRUISE : C.O.D.E. 80-10.
STATION: WC17 CONS #016
LAT N 48 39.5 LONG W 127 40.0
DATE 80/01/16 TIME (PST) 2245

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.56	32.51	25.26	271.5	.00	.00	1481.8
10	8.57	32.52	25.27	271.5	.27	.01	1482.0
20	8.59	32.50	25.25	273.2	.54	.05	1482.2
30	8.59	32.50	25.25	273.1	.82	.12	1482.4
50	8.49	32.50	25.26	272.6	1.36	.34	1482.4
75	7.71	33.23	25.95	207.5	1.99	.73	1480.7
100	7.51	33.58	26.25	179.3	2.47	1.15	1480.8
125	7.36	33.78	26.43	162.8	2.90	1.63	1480.9
150	7.08	33.88	26.55	151.4	3.30	2.17	1480.3
175	6.74	33.92	26.63	144.3	3.67	2.77	1479.5
200	6.50	33.94	26.68	140.1	4.02	3.44	1478.9
225	6.19	33.94	26.71	136.8	4.37	4.17	1478.1
250	5.95	33.96	26.76	132.4	4.70	4.97	1477.6
300	5.52	33.98	26.83	125.9	5.35	6.75	1476.7
400	4.99	34.05	26.95	115.9	6.55	10.96	1476.2
500	4.50	34.11	27.05	106.9	7.67	15.98	1475.9
600	4.24	34.18	27.14	99.3	8.70	21.60	1476.6
800	3.80	34.32	27.29	85.9	10.54	34.50	1478.2
1000	3.45	34.41	27.40	76.7	12.16	49.00	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1196.0	3.11	34.46	27.47	70.2	13.59	64.73	1482.0

WIND MIXED LAYER DEPTH = 59.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C
90- 10-17
STN:HC10
90/1/17

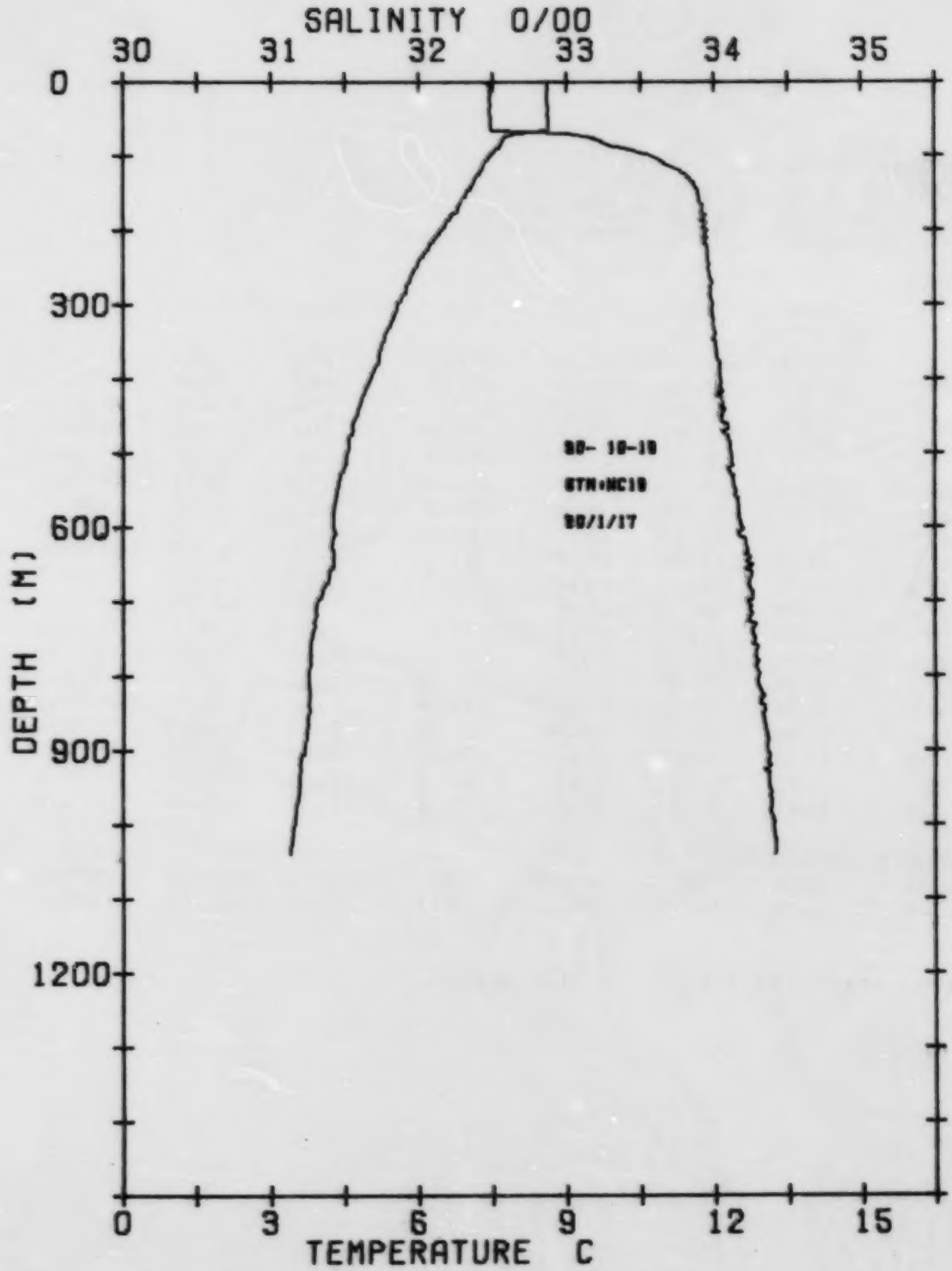
CRUISE : C.O.D.E. 80-10.
STATION: WC18 CONS #017
LAT N 48 42.0 LONG W 127 46.0
DATE 80/01/17 TIME (PST) 0039

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.51	32.50	25.26	271.8	.00	.00	1481.6
10	8.49	32.51	25.27	271.0	.27	.01	1481.7
20	8.50	32.50	25.27	271.7	.54	.05	1481.9
30	8.51	32.49	25.26	272.8	.82	.12	1482.1
50	8.47	32.51	25.27	271.4	1.36	.34	1482.3
75	7.65	33.29	26.00	202.4	1.96	.71	1480.6
100	7.49	33.60	26.27	177.2	2.43	1.12	1480.7
125	7.33	33.79	26.45	161.0	2.85	1.59	1480.8
150	7.08	33.88	26.55	151.8	3.24	2.13	1480.4
175	6.81	33.92	26.62	145.5	3.61	2.73	1479.7
200	6.48	33.93	26.67	140.5	3.97	3.40	1478.9
225	6.22	33.94	26.71	137.1	4.32	4.14	1478.2
250	5.95	33.93	26.74	134.8	4.65	4.94	1477.5
300	5.49	33.97	26.83	126.7	5.30	6.72	1476.5
400	4.94	34.02	26.93	117.4	6.51	10.94	1476.0
500	4.59	34.12	27.05	106.8	7.63	15.99	1476.3
600	4.23	34.20	27.15	98.2	8.66	21.62	1476.5
800	3.80	34.31	27.28	86.8	10.51	34.52	1478.2
1000	3.41	34.41	27.40	76.0	12.13	49.04	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1045.5	3.31	34.43	27.42	74.1	12.47	52.54	1480.3

WIND MIXED LAYER DEPTH = 59.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-10
STN:HC10
80/1/17
0
3
6
9
12
15
TEMPERATURE C

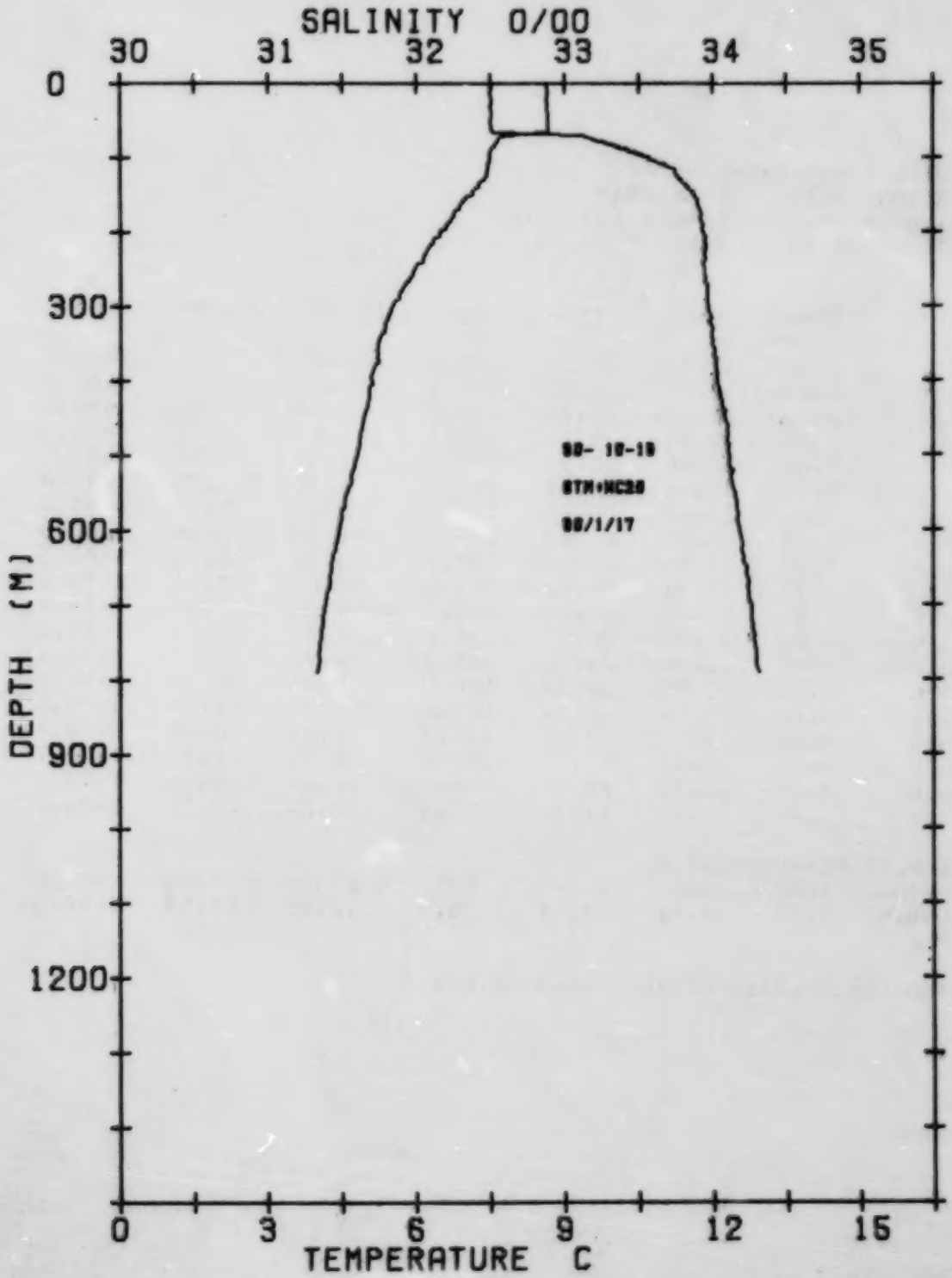
CRUISE : C.C.O.E. 80-10.
STATION: #C19 CONS #018
LAT N 48 48.0 LONG W 127 37.5
DATE 80/01/17 TIME (PST) 0342

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.62	32.45	25.21	277.0	.00	.00	1482.0
10	8.63	32.48	25.23	275.3	.27	.01	1482.2
20	8.62	32.48	25.23	275.0	.55	.06	1482.4
30	8.62	32.49	25.24	274.7	.82	.12	1482.5
50	8.63	32.49	25.24	275.0	1.37	.34	1482.9
75	7.74	33.18	25.91	211.4	2.02	.75	1480.8
100	7.48	33.57	26.25	179.1	2.52	1.18	1480.7
125	7.25	33.81	26.47	159.0	2.94	1.65	1480.5
150	7.00	33.89	26.57	150.1	3.32	2.18	1480.0
175	6.78	33.91	26.62	145.4	3.69	2.77	1479.6
200	6.48	33.95	26.69	139.2	4.05	3.44	1478.9
225	6.20	33.96	26.73	135.2	4.39	4.17	1478.2
250	5.96	33.96	26.76	132.3	4.72	4.97	1477.6
300	5.58	33.99	26.83	126.5	5.37	6.74	1476.9
400	5.05	34.04	26.94	117.0	6.59	11.00	1476.5
500	4.57	34.12	27.05	107.1	7.71	16.04	1476.2
600	4.26	34.19	27.14	98.8	8.74	21.70	1476.7
800	3.75	34.30	27.28	86.8	10.60	34.64	1478.0
1000	3.47	34.40	27.39	77.4	12.24	49.39	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1040.9	3.38	34.41	27.41	75.9	12.55	52.57	1480.5

WIND MIXED LAYER DEPTH = 65.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

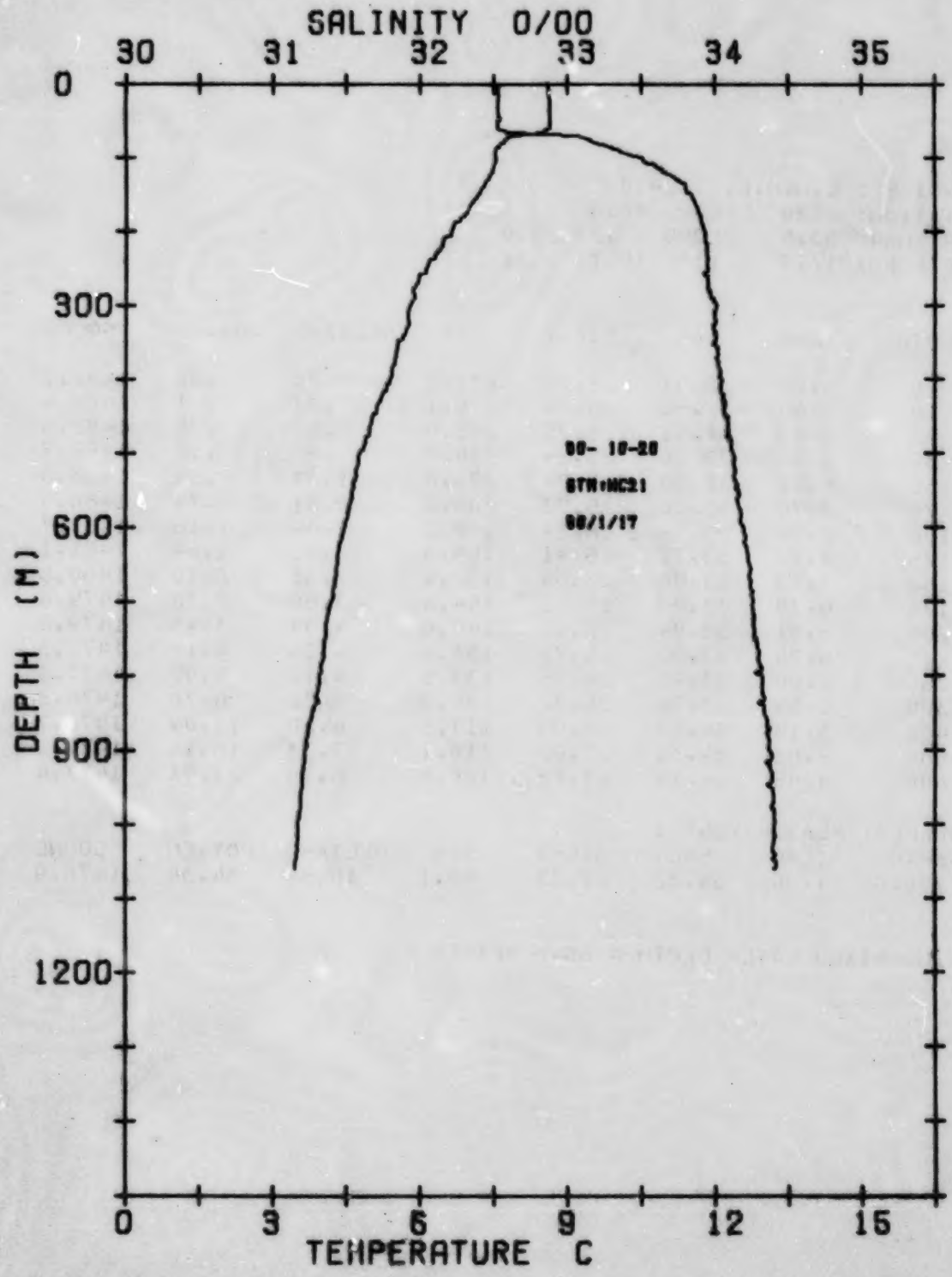
CRUISE : C.O.D.E. 80-10.
STATION: WC20 CONS #019
LAT N 48 53.5 LONG W 127 29.0
DATE 80/01/17 TIME (PST) 0521

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.64	32.51	25.25	272.8	.00	.00	1482.1
10	8.66	32.50	25.24	274.1	.27	.01	1482.4
20	8.65	32.51	25.25	273.6	.55	.05	1482.5
30	8.66	32.50	25.24	274.4	.82	.12	1482.7
50	8.67	32.50	25.24	274.8	1.37	.34	1483.0
75	7.70	33.20	25.93	209.0	2.01	.74	1480.6
100	7.50	33.56	26.24	180.2	2.49	1.16	1480.7
125	7.43	33.77	26.41	164.3	2.92	1.64	1481.1
150	7.13	33.88	26.54	152.4	3.31	2.18	1480.5
175	6.79	33.93	26.63	144.6	3.68	2.78	1479.6
200	6.51	33.94	26.67	140.6	4.04	3.45	1479.0
225	6.24	33.95	26.72	136.4	4.39	4.18	1478.3
250	6.00	33.95	26.75	133.5	4.72	4.99	1477.8
300	5.55	33.98	26.82	126.9	5.38	6.78	1476.8
400	5.10	34.04	26.93	117.6	6.60	11.04	1476.7
500	4.83	34.12	27.02	110.1	7.73	16.14	1477.3
600	4.45	34.19	27.12	100.8	8.78	21.93	1477.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
790.0	4.00	34.32	27.27	88.1	10.58	34.34	1478.9

WIND MIXED LAYER DEPTH = 65.0 METRES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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-28
STN:HC21
90/1/17
0
3
6
9
12
15
TEMPERATURE C

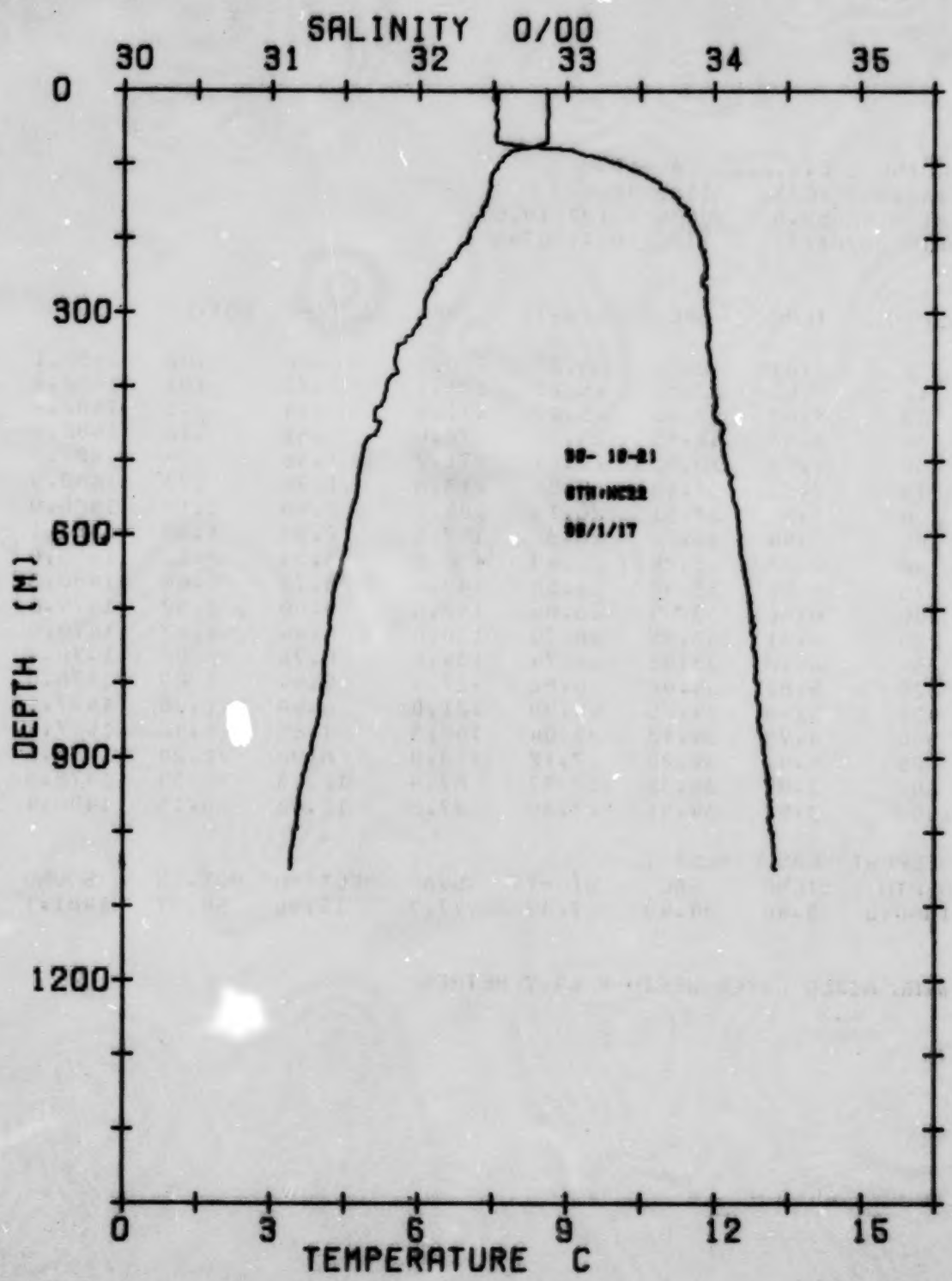
CRUISE : C.O.D.E. 80-10.
STATION: WC21 CONS #020
LAT N 48 59.0 LONG W 127 19.5
DATE 80/01/17 TIME (PST) 0746

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.61	32.54	25.27	270.6	.00	.00	1482.1
10	8.62	32.53	25.27	271.1	.27	.01	1482.2
20	8.63	32.53	25.27	271.5	.54	.05	1482.4
30	8.63	32.53	25.26	272.0	.81	.12	1482.6
50	8.63	32.53	25.27	271.7	1.36	.34	1482.9
75	7.77	33.15	25.88	213.8	1.99	.73	1480.9
100	7.56	33.51	26.19	185.2	2.49	1.17	1480.9
125	7.44	33.72	26.38	167.8	2.94	1.67	1481.1
150	7.23	33.84	26.49	156.9	3.34	2.22	1480.8
175	6.96	33.90	26.58	149.0	3.72	2.84	1480.3
200	6.66	33.94	26.65	142.5	4.09	3.52	1479.6
225	6.41	33.95	26.70	138.6	4.44	4.27	1479.0
250	6.15	33.96	26.74	134.9	4.78	5.08	1478.4
300	5.82	34.02	26.82	127.4	5.44	6.89	1478.0
400	5.40	34.05	26.90	121.0	6.69	11.28	1477.9
500	4.78	34.13	27.04	108.3	7.85	16.46	1477.1
600	4.46	34.20	27.12	100.8	8.90	22.24	1477.5
800	3.95	34.32	27.27	87.9	10.78	35.39	1478.8
1000	3.52	34.41	27.39	77.8	12.43	50.15	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1060.0	3.46	34.40	27.39	77.7	12.90	54.97	1481.1

WIND MIXED LAYER DEPTH = 64.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

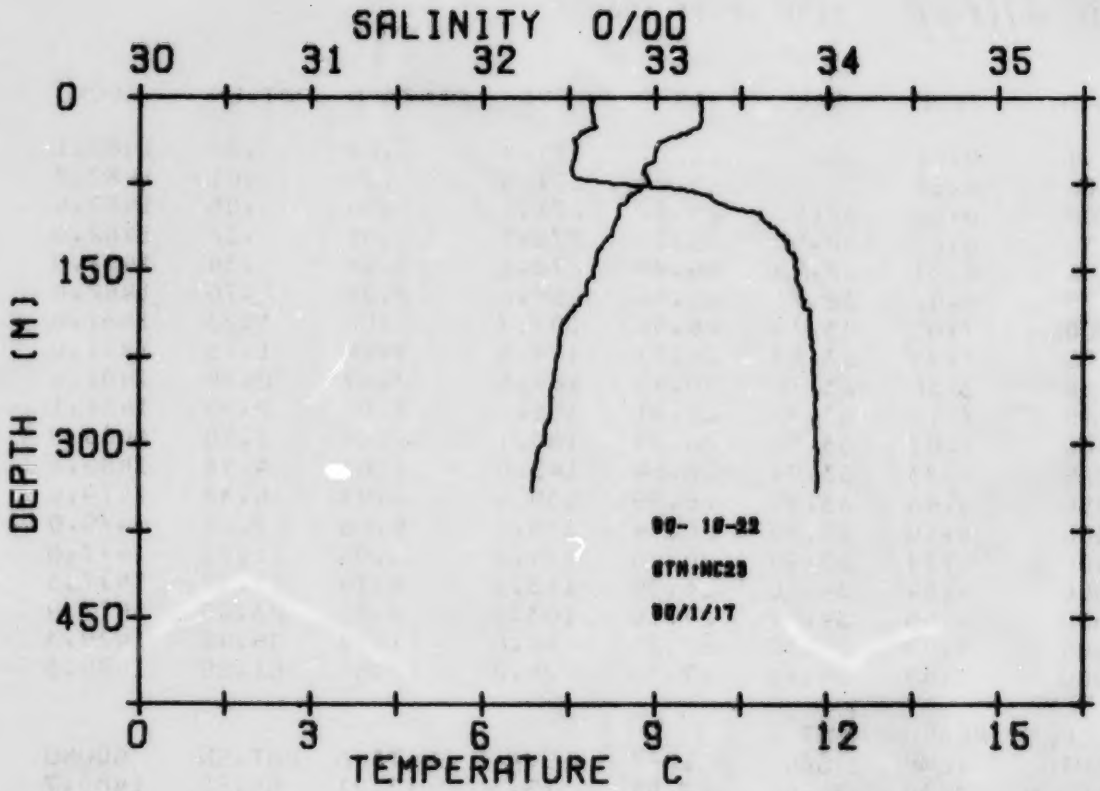
CRUISE : C.O.D.E. 80-10.
STATION: WC22 CONS #021
LAT N 49 04.5 LONG W 127 11.0
DATE 80/01/17 TIME (PST) 1000

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.62	32.53	25.27	271.4	.00	.00	1482.1
10	8.61	32.53	25.27	271.5	.27	.01	1482.2
20	8.62	32.53	25.27	271.6	.54	.05	1482.4
30	8.63	32.52	25.26	272.1	.81	.12	1482.6
50	8.61	32.53	25.27	272.1	1.36	.34	1482.9
75	8.42	32.71	25.44	255.8	2.04	.76	1482.8
100	7.63	33.35	26.06	197.7	2.58	1.23	1481.0
125	7.44	33.63	26.31	174.5	3.04	1.75	1481.0
150	7.38	33.76	26.41	164.6	3.47	2.34	1481.4
175	7.18	33.85	26.51	155.8	3.87	2.99	1481.1
200	7.01	33.90	26.57	150.1	4.25	3.70	1480.9
225	6.73	33.94	26.64	143.6	4.62	4.48	1480.2
250	6.43	33.95	26.69	139.4	4.97	5.32	1479.5
300	6.10	33.95	26.74	135.5	5.66	7.21	1479.0
400	5.34	33.99	26.86	124.2	6.95	11.73	1477.6
500	4.84	34.08	26.99	113.1	8.14	17.07	1477.3
600	4.56	34.17	27.10	103.5	9.22	23.00	1477.9
800	4.08	34.30	27.25	90.6	11.14	36.42	1479.3
1000	3.49	34.40	27.38	78.0	12.83	51.55	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1050.0	3.38	34.42	27.41	75.3	13.21	55.50	1480.7

WIND MIXED LAYER DEPTH = 71.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-22
STN:HC28
80/1/17
0
3
6
9
12
15
TEMPERATURE C

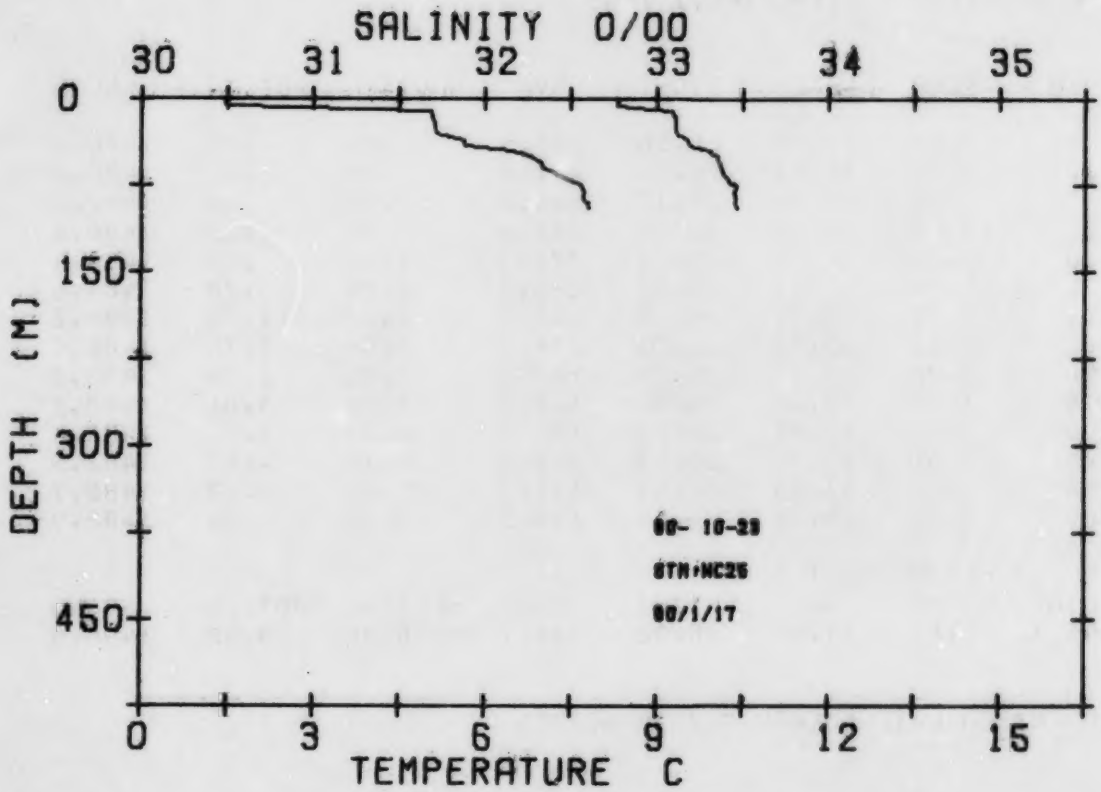
CRUISE : C.O.D.E. 80-10.
STATION: WC23 CONS #022
LAT N 49 10.0 LONG W 127 02.0
DATE 80/01/17 TIME (PST) 1209

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.80	32.62	25.16	281.8	.00	.00	1486.6
10	9.81	32.63	25.16	281.5	.28	.01	1486.8
20	9.80	32.64	25.17	281.2	.56	.06	1487.0
30	9.63	32.58	25.15	282.8	.84	.13	1486.4
50	9.01	32.53	25.21	277.5	1.40	.35	1484.4
75	8.89	32.77	25.41	258.7	2.09	.78	1484.6
100	8.37	33.61	26.15	189.3	2.63	1.25	1484.2
125	8.16	33.77	26.31	174.4	3.08	1.76	1484.0
150	7.92	33.83	26.39	167.0	3.51	2.34	1483.5
175	7.72	33.86	26.45	161.9	3.92	3.01	1483.2
200	7.40	33.91	26.53	154.2	4.31	3.75	1482.4
225	7.31	33.92	26.55	152.7	4.70	4.57	1482.5
250	7.24	33.93	26.57	151.7	5.08	5.47	1482.7
300	7.09	33.94	26.60	149.3	5.83	7.54	1482.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
345.3	6.82	44.55	35.02	*****	6.30	9.02	1496.8

WIND MIXED LAYER DEPTH = 70.0 METRES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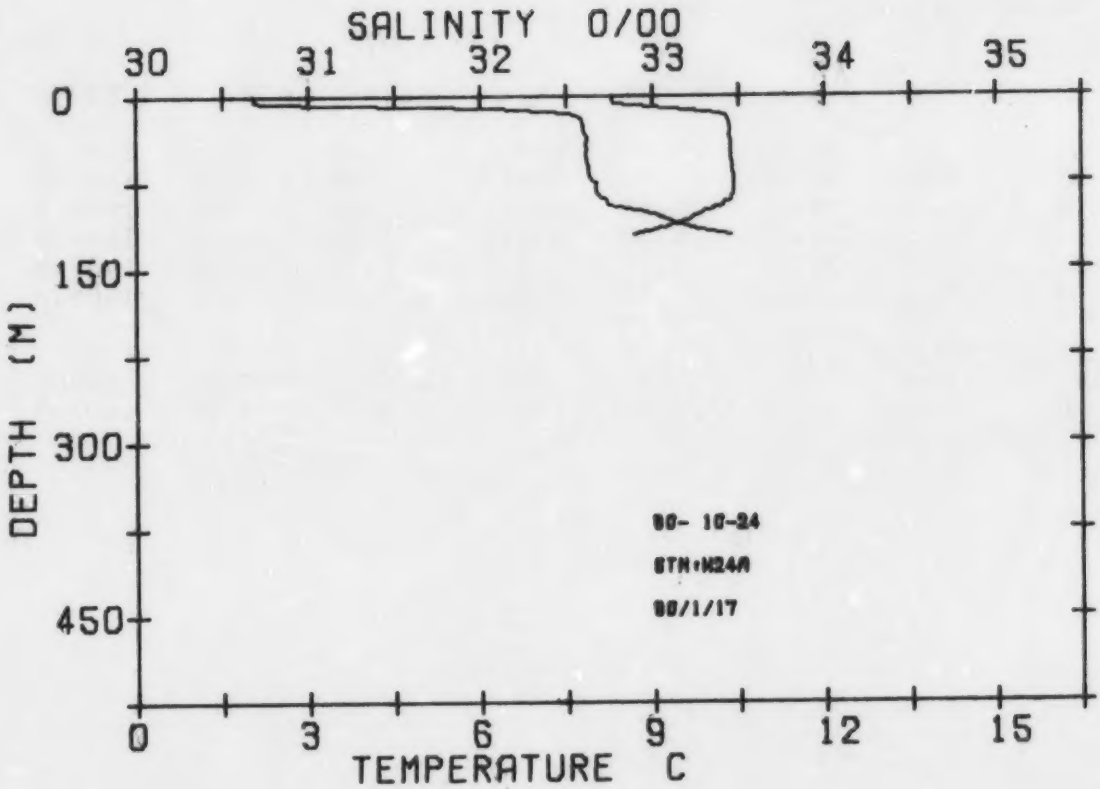
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-23
STN:NC26
80/1/17
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: WC25 CONS #023
LAT N 49 21.5 LONG W 126 44.5
DATE 80/01/17 TIME (PST) 1550

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.33	30.48	23.71	419.4	.00	.00	1478.4
10	9.25	31.66	24.50	344.9	.40	.02	1483.5
20	9.34	31.70	24.51	343.3	.75	.07	1484.0
30	9.37	31.73	24.53	342.2	1.09	.16	1484.3
50	10.05	32.27	24.84	313.0	1.75	.42	1487.9
75	10.36	32.57	25.02	296.4	2.51	.90	1489.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
95.0	10.40	32.61	25.05	294.1	3.10	1.40	1490.3

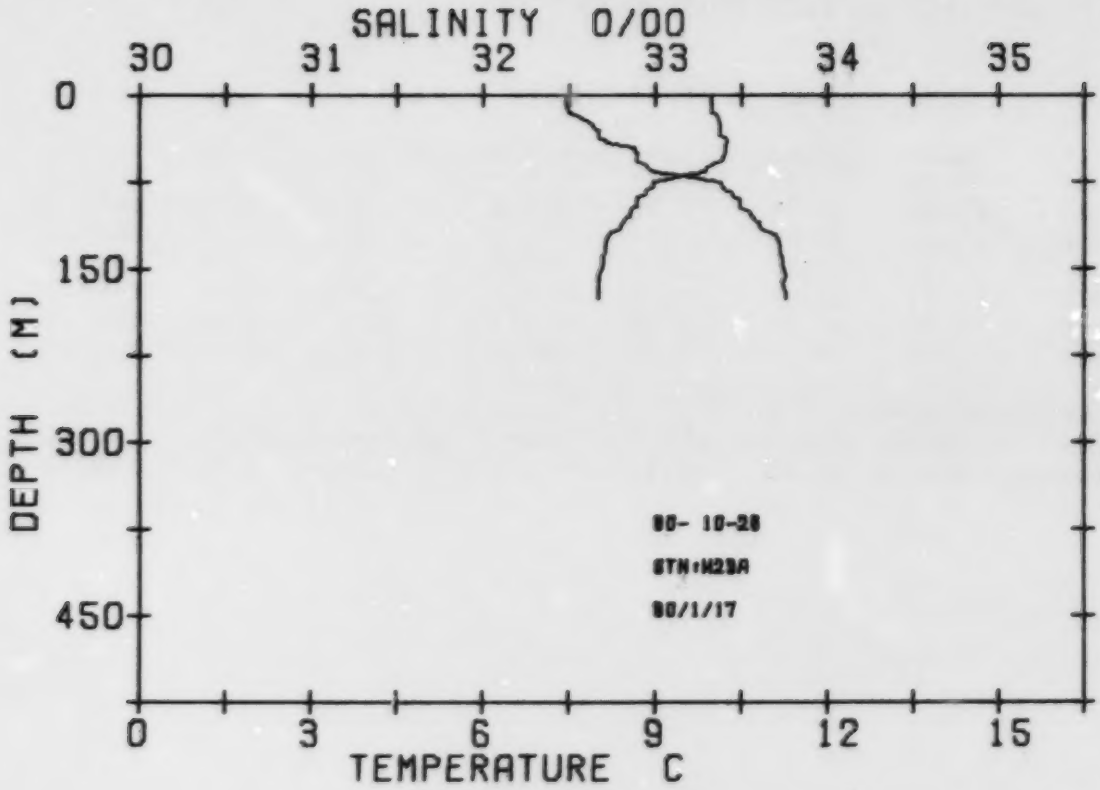

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-24
STN:H24A
80/1/17
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: W24A CONS #024
LAT N 49 18.1 LONG W 126 48.5
DATE 80/01/17 TIME (PST) 1633

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.28	30.68	23.87	403.9	.00	.00	1478.4
10	9.24	32.03	24.78	317.4	.38	.02	1483.9
20	10.28	32.59	25.05	292.4	.68	.06	1488.7
30	10.34	32.60	25.05	292.5	.98	.14	1489.1
50	10.35	32.61	25.05	292.6	1.56	.37	1489.4
75	10.41	32.67	25.09	289.7	2.29	.83	1490.1
100	9.89	32.95	25.39	261.1	3.00	1.44	1489.0
125	8.65	37.39	29.07	-86.4	3.50	2.00	1490.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.1	8.65	37.45	29.12	-91.0	3.50	2.00	1490.6


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-28
STN:H23A
80/1/17
0
3
6
9
12
15
TEMPERATURE C

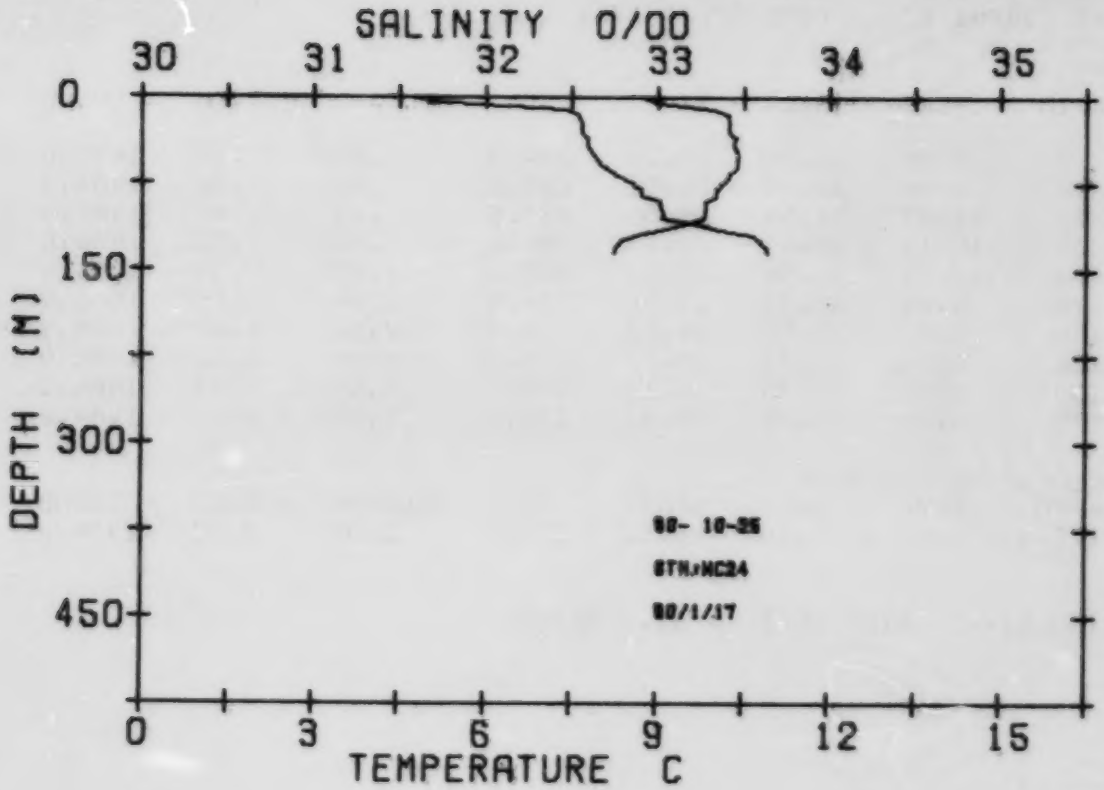
CRUISE : C.O.D.E. 80-10.
STATION: W23A CONS #026
LAT N 49 12.7 LONG W 126 57.2
DATE 80/01/17 TIME (PST) 1751

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.95	32.49	25.02	294.3	.00	.00	1487.0
10	9.98	32.49	25.02	295.2	.29	.02	1487.3
20	10.07	32.58	25.08	289.5	.59	.06	1487.9
30	10.14	32.67	25.13	284.5	.87	.13	1488.4
50	10.23	32.90	25.30	269.5	1.43	.35	1489.4
75	9.04	33.37	25.86	216.5	2.06	.75	1486.0
100	8.59	33.55	26.07	196.9	2.58	1.20	1484.9
125	8.16	33.72	26.27	178.3	3.05	1.72	1483.9
150	8.06	33.75	26.31	174.7	3.49	2.33	1484.0
175	8.00	33.76	26.32	173.9	3.93	3.04	1484.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.9	8.00	33.76	26.32	174.0	3.94	3.07	1484.2

WIND MIXED LAYER DEPTH = 61.3 METRES


SALINITY 0/00
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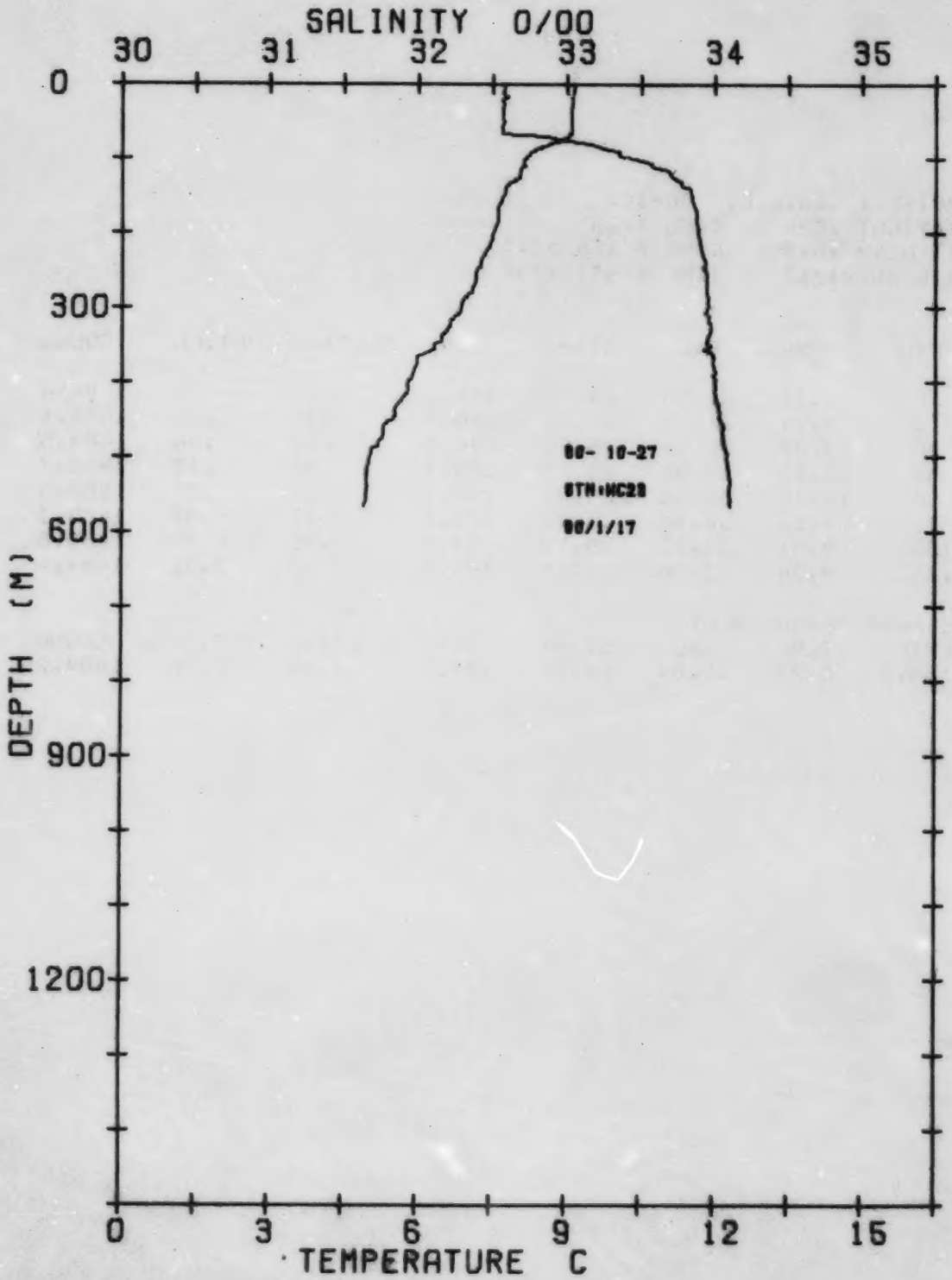
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-25
STN:HC24
80/1/17
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: #C24 CONS #025
LAT N 49 15.5 LONG W 126 53.0
DATE 80/01/17 TIME (PST) 1709

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.77	31.58	24.50	344.0	.00	.00	1481.4
10	9.94	32.45	25.00	296.9	.33	.02	1487.1
20	10.25	32.55	25.03	294.5	.62	.06	1488.5
30	10.25	32.56	25.03	294.7	.92	.13	1488.7
50	10.40	32.63	25.06	292.2	1.50	.37	1489.6
75	10.12	32.86	25.29	271.0	2.21	.81	1489.3
100	9.81	33.03	25.47	253.9	2.86	1.38	1488.8
125	8.34	33.59	26.14	190.5	3.43	2.01	1484.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.2	8.22	33.64	26.20	184.7	3.62	2.26	1484.2


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-27
STN:HC28
80/1/17
0
3
6
9
12
15
TEMPERATURE C

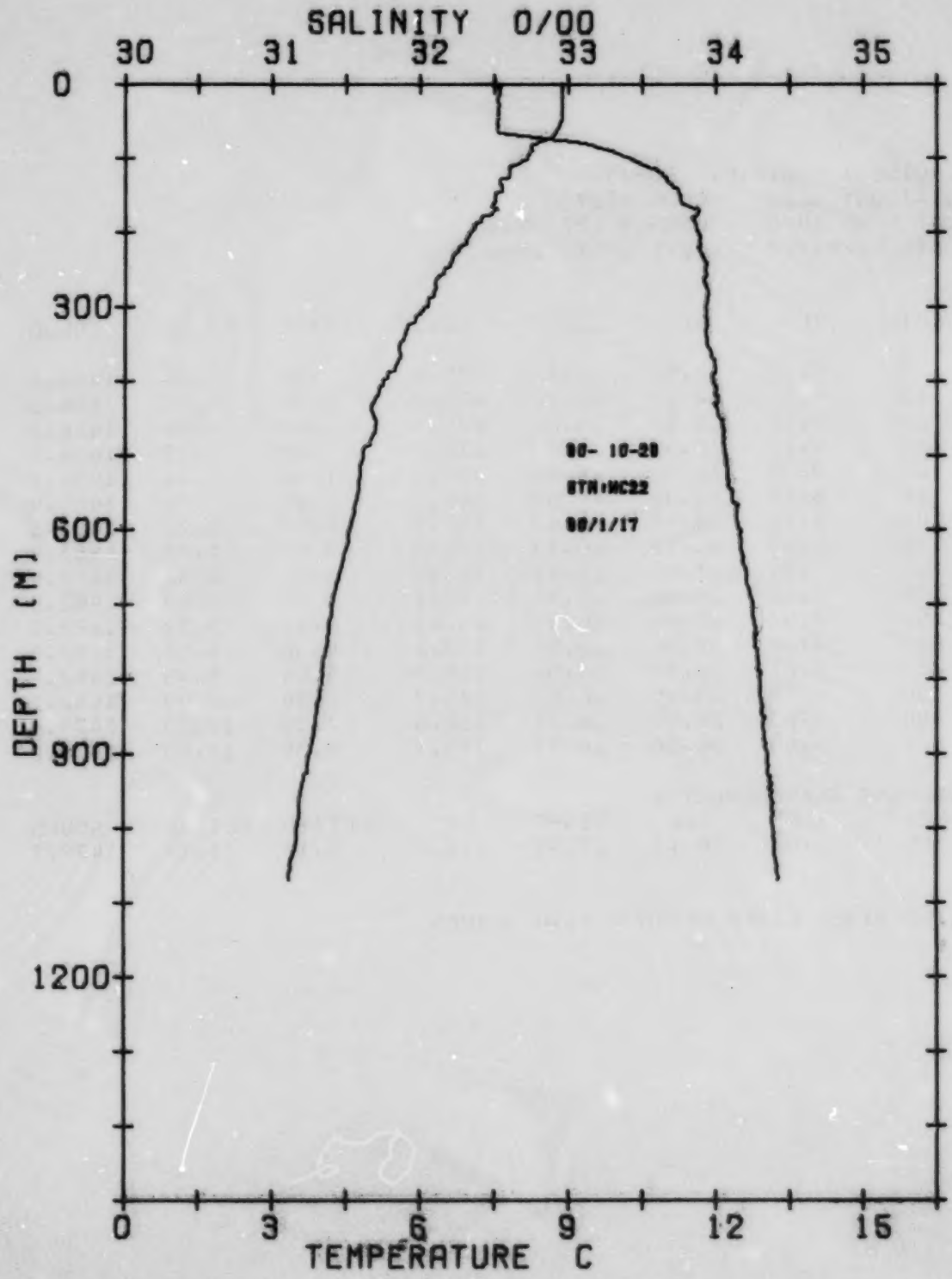
CRUISE : C.O.D.E. 80-10.
STATION: WC23 CONS #027
LAT N 49 10.0 LONG W 127 02.0
DATE 80/01/17 TIME (PST) 1920

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.18	32.58	25.22	275.9	.00	.00	1484.2
10	9.15	32.57	25.22	275.9	.28	.01	1484.3
20	9.11	32.57	25.22	275.9	.55	.06	1484.3
30	9.11	32.57	25.23	275.7	.83	.12	1484.5
50	9.08	32.58	25.24	274.9	1.38	.34	1484.7
75	8.88	33.00	25.59	241.6	2.05	.76	1484.9
100	8.18	33.47	26.07	196.7	2.59	1.23	1483.3
125	8.03	33.73	26.30	175.5	3.05	1.75	1483.4
150	7.74	33.85	26.43	163.2	3.47	2.32	1482.9
175	7.62	33.88	26.48	159.2	3.87	2.98	1482.8
200	7.52	33.89	26.50	157.3	4.27	3.72	1482.9
225	7.38	33.92	26.54	153.5	4.66	4.55	1482.8
250	7.21	33.94	26.58	150.3	5.04	5.45	1482.5
300	6.88	33.95	26.63	145.7	5.78	7.49	1482.1
400	5.83	34.00	26.81	130.0	7.15	12.30	1479.6
500	5.05	34.08	26.97	115.1	8.38	17.80	1478.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
565.3	4.92	34.11	27.00	112.4	9.12	21.74	1478.7

WIND MIXED LAYER DEPTH = 68.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-20
STN:HC22
90/1/17
0
3
6
9
12
15
TEMPERATURE C

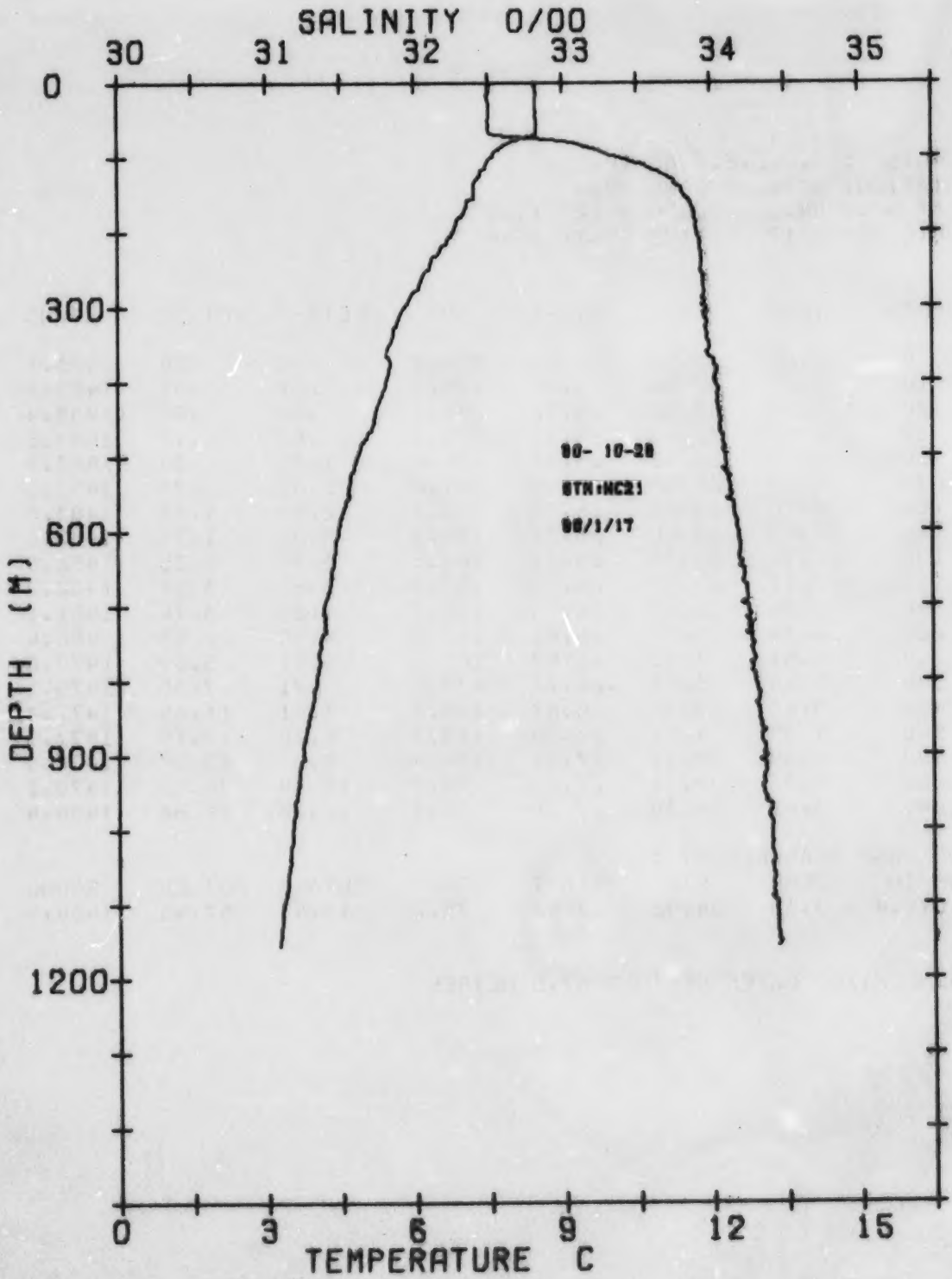
CRUISE : C.O.D.E. 80-10.
STATION: WC22 CONS #028
LAT N 49 04.5 LONG W 127 11.0
DATE 80/01/17 TIME (PST) 2046

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.88	32.53	25.23	274.7	.00	.00	1483.1
10	8.87	32.54	25.24	274.3	.27	.01	1483.2
20	8.89	32.52	25.22	276.4	.55	.06	1483.4
30	8.89	32.53	25.23	275.3	.82	.12	1483.6
50	8.88	32.52	25.22	276.4	1.38	.34	1483.9
75	8.53	32.93	25.59	241.4	2.05	.76	1483.5
100	8.18	33.42	26.03	200.4	2.59	1.23	1483.2
125	7.83	33.66	26.27	178.0	3.06	1.76	1482.6
150	7.54	33.76	26.39	166.9	3.49	2.35	1482.0
175	7.47	33.87	26.49	157.8	3.89	3.01	1482.2
200	7.06	33.88	26.55	152.3	4.28	3.74	1481.1
225	6.79	33.90	26.61	147.0	4.65	4.53	1480.4
250	6.51	33.93	26.67	141.6	5.01	5.39	1479.8
300	6.14	33.93	26.72	137.6	5.71	7.30	1479.1
400	5.26	33.98	26.87	124.0	7.01	11.85	1477.2
500	4.85	34.07	26.98	113.7	8.20	17.19	1477.3
600	4.59	34.17	27.09	104.4	9.30	23.24	1478.0
800	4.02	34.30	27.25	90.0	11.24	36.72	1479.1
1000	3.52	34.39	27.38	78.7	12.93	51.88	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1070.4	3.35	34.42	27.42	75.0	13.47	57.48	1480.9

WIND MIXED LAYER DEPTH = 67.5 METRES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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-28
STN:NC21
90/1/17
0
3
6
9
12
15
TEMPERATURE C

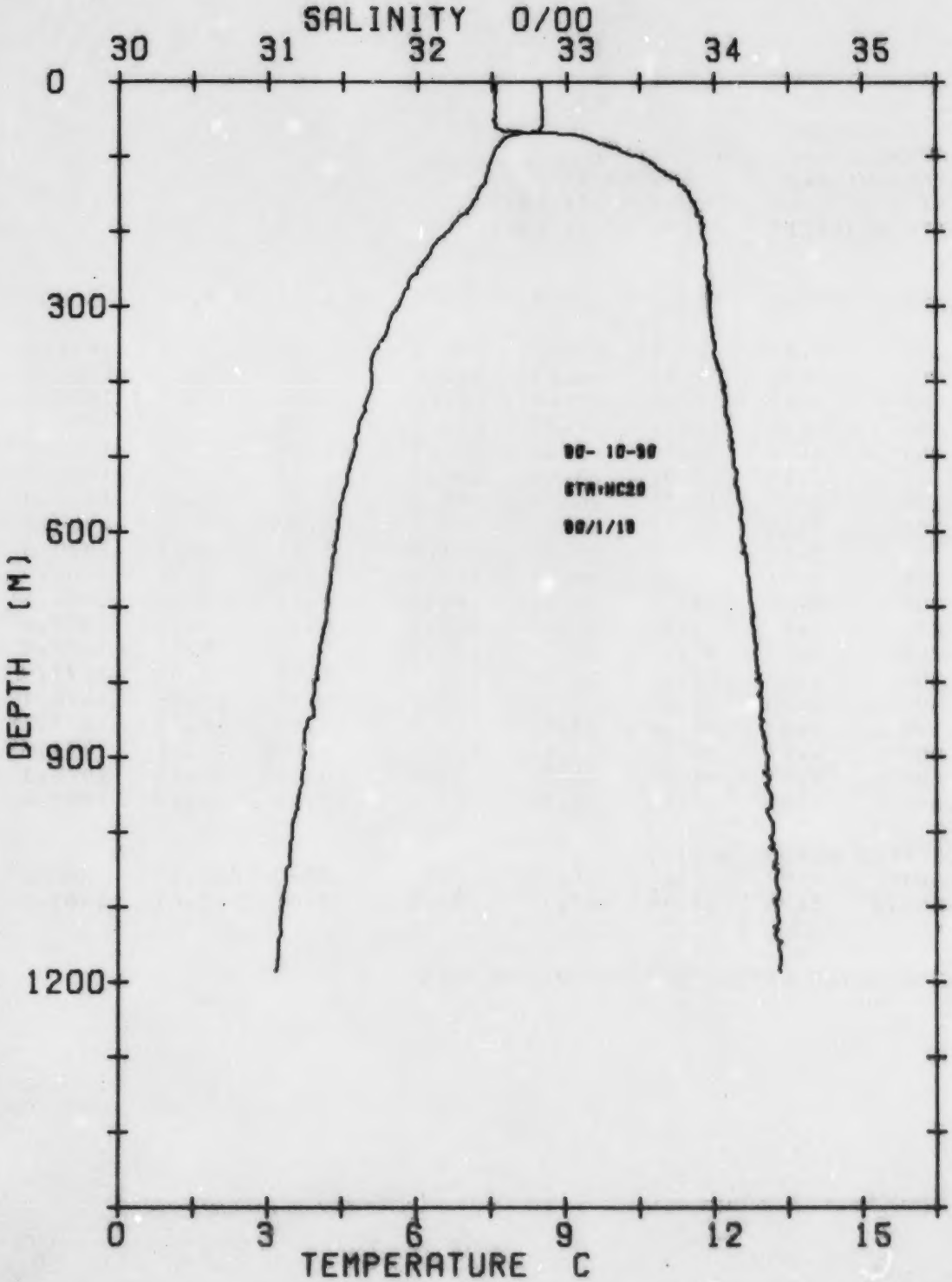
CRUISE : C.O.D.E. 80-10.
STATION: WC21 CONS 4029
LAT N 48 59.0 LONG W 127 19.5
DATE 80/01/17 TIME (PST) 2302

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.45	32.51	25.28	270.3	.00	.00	1481.4
10	8.45	32.51	25.28	270.6	.27	.01	1481.5
20	8.47	32.50	25.27	271.2	.54	.05	1481.8
30	8.47	32.51	25.28	270.8	.81	.12	1482.0
50	8.49	32.50	25.26	272.3	1.36	.34	1482.3
75	8.14	32.91	25.64	236.8	2.03	.76	1482.0
100	7.59	33.38	26.08	195.1	2.56	1.22	1480.9
125	7.35	33.72	26.38	167.1	3.00	1.72	1480.8
150	7.22	33.82	26.49	157.7	3.41	2.27	1480.8
175	7.01	33.90	26.57	149.7	3.79	2.90	1480.5
200	6.80	33.91	26.61	146.3	4.16	3.59	1480.1
225	6.54	33.94	26.67	141.1	4.52	4.35	1479.5
250	6.29	33.93	26.70	138.7	4.87	5.18	1478.9
300	5.82	33.96	26.78	131.1	5.54	7.03	1477.9
400	5.45	34.03	26.88	122.7	6.80	11.45	1478.1
500	4.87	34.10	27.00	111.8	7.98	16.73	1477.5
600	4.47	34.19	27.11	101.6	9.05	22.61	1477.5
800	4.03	34.30	27.25	90.2	10.96	35.95	1479.1
1000	3.51	34.40	27.39	77.9	12.63	50.97	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1155.1	3.25	34.44	27.44	73.0	13.81	63.61	1481.9

WIND MIXED LAYER DEPTH = 69.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

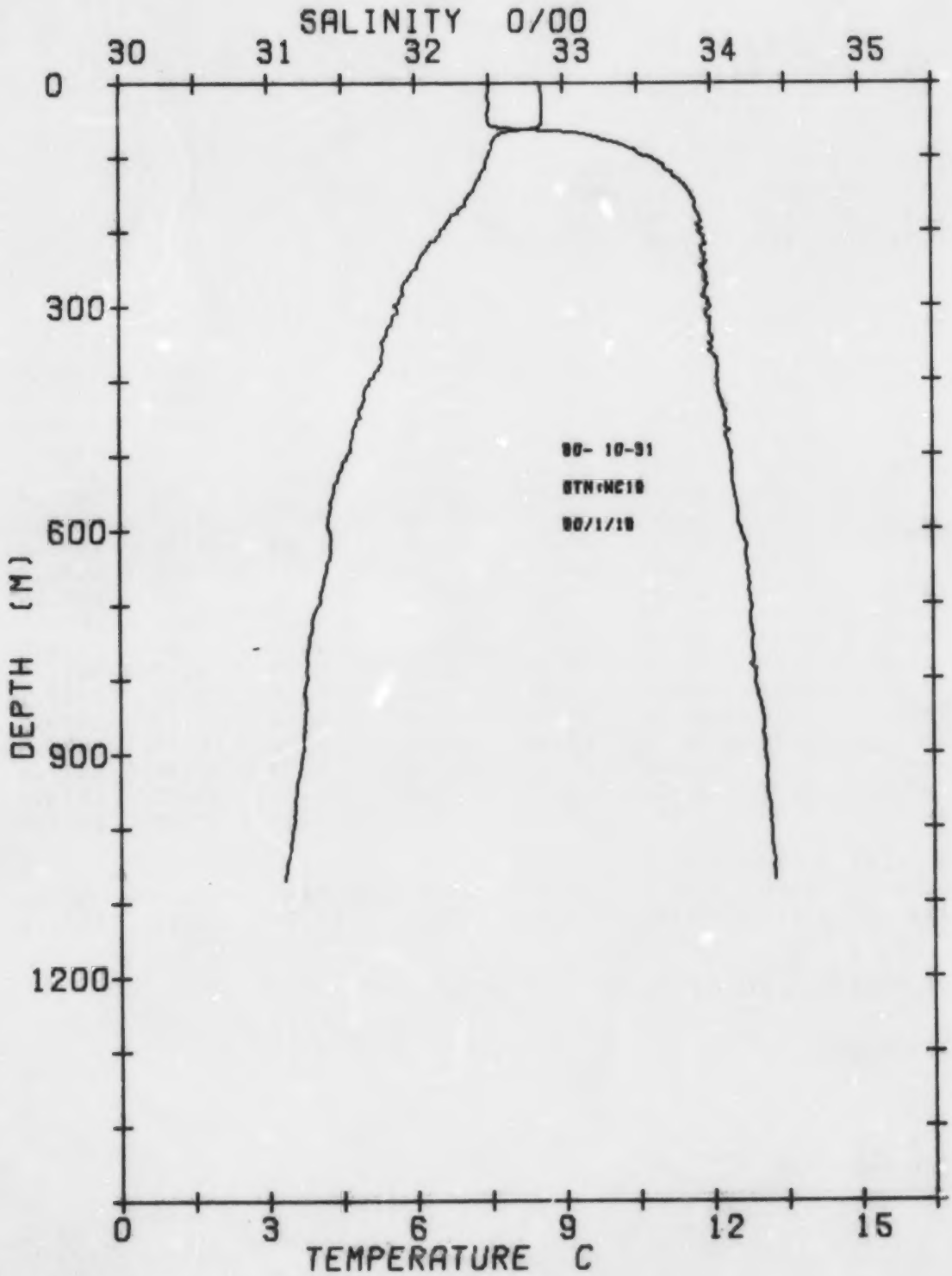
CRUISE : C.O.D.E. 80-10.
STATION: WC20 CONS #030
LAT N 48 53.5 LONG W 127 29.0
DATE 80/01/18 TIME (PST) 0106

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.47	32.53	25.29	269.3	.00	.00	1481.5
10	8.49	32.53	25.29	269.6	.27	.01	1481.8
20	8.51	32.52	25.28	270.4	.54	.05	1482.0
30	8.50	32.53	25.29	269.9	.81	.12	1482.1
50	8.53	32.51	25.27	271.7	1.35	.34	1482.5
75	7.76	33.15	25.88	213.8	1.99	.73	1480.8
100	7.52	33.51	26.20	184.4	2.49	1.17	1480.8
125	7.41	33.71	26.37	168.0	2.93	1.66	1481.0
150	7.22	33.84	26.50	156.3	3.33	2.22	1480.8
175	6.98	33.88	26.57	150.3	3.71	2.84	1480.4
200	6.64	33.92	26.64	143.7	4.08	3.52	1479.5
225	6.31	33.94	26.70	138.2	4.43	4.26	1478.6
250	6.05	33.95	26.74	134.5	4.77	5.07	1477.9
300	5.64	33.97	26.81	128.6	5.42	6.87	1477.1
400	5.11	34.07	26.95	115.7	6.64	11.12	1476.7
500	4.74	34.13	27.04	107.9	7.76	16.15	1476.9
600	4.42	34.20	27.13	100.0	8.79	21.84	1477.4
800	3.97	34.32	27.27	87.9	10.68	35.03	1478.9
1000	3.52	34.40	27.38	78.0	12.35	50.03	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1185.3	3.18	34.45	27.46	71.5	13.74	65.19	1482.1

WIND MIXED LAYER DEPTH = 64.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-31
STN:NC10
90/1/10
0
3
6
9
12
15
TEMPERATURE C

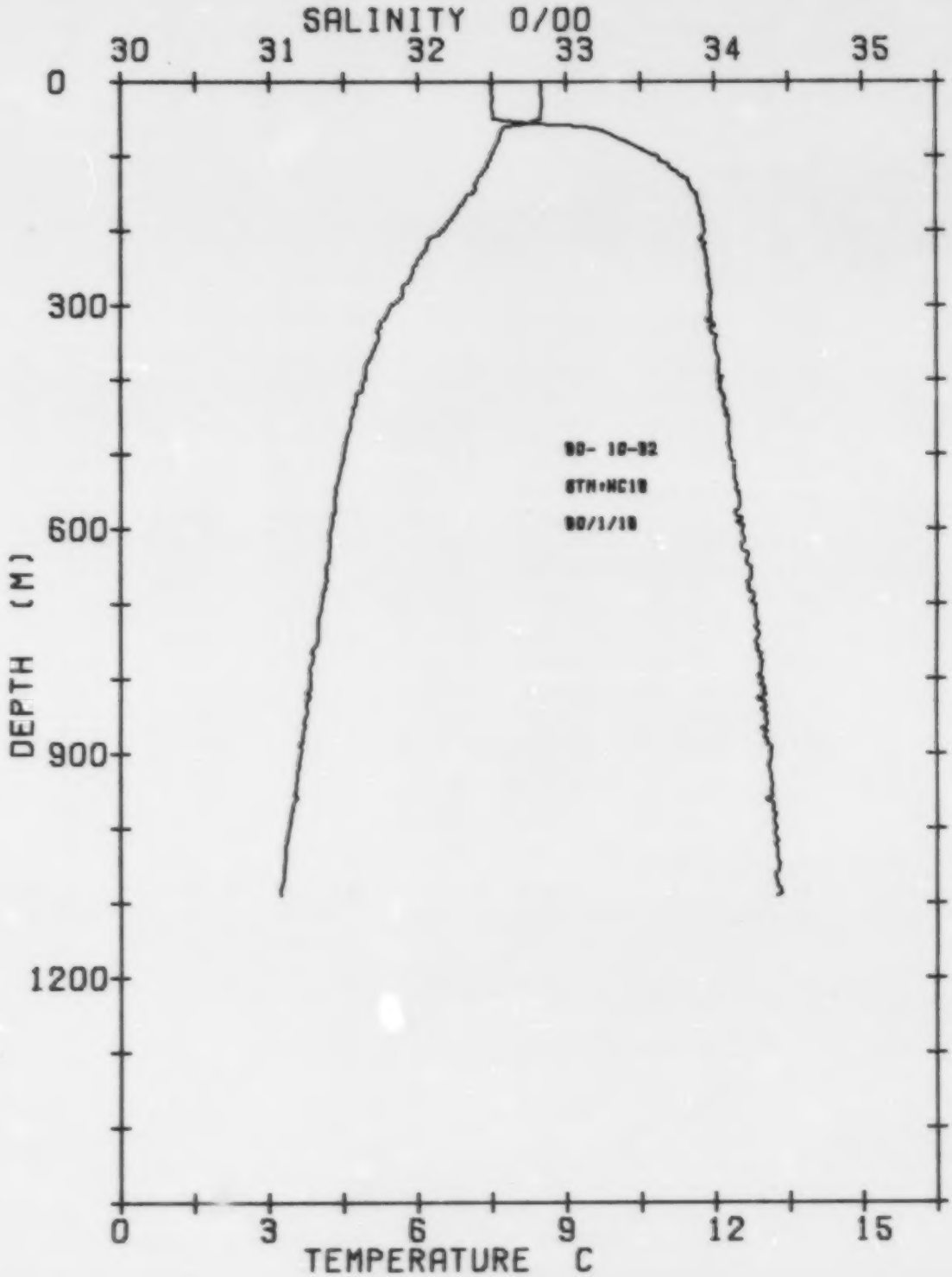
CRUISE : C.O.D.E. 80-10.
STATION: WC19 CONS #031
LAT N 48 48.0 LONG W 127 37.5
DATE 80/01/18 TIME (PST) 0226

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.53	32.50	25.26	271.9	.00	.00	1481.7
10	8.55	32.50	25.26	272.3	.27	.01	1481.9
20	8.57	32.50	25.26	272.6	.55	.05	1482.2
30	8.57	32.50	25.25	272.9	.82	.12	1482.4
50	8.58	32.50	25.26	273.2	1.36	.34	1482.7
75	7.64	33.28	26.00	202.9	1.97	.71	1480.5
100	7.51	33.60	26.27	177.1	2.44	1.13	1480.8
125	7.36	33.70	26.42	164.0	2.87	1.60	1480.8
150	7.15	33.87	26.54	153.0	3.26	2.15	1480.6
175	6.86	33.92	26.61	146.3	3.64	2.75	1479.9
200	6.55	33.93	26.66	142.0	3.99	3.42	1479.1
225	6.23	33.94	26.71	137.3	4.34	4.16	1478.3
250	6.02	33.95	26.74	134.2	4.68	4.96	1477.8
300	5.60	34.00	26.84	125.8	5.33	6.75	1477.0
400	5.08	34.05	26.94	116.6	6.56	11.05	1476.6
500	4.64	34.13	27.05	106.5	7.68	16.07	1476.5
600	4.23	34.20	27.15	97.6	8.70	21.67	1476.5
800	3.80	34.29	27.27	87.3	10.54	34.53	1478.1
1000	3.50	34.40	27.38	78.3	12.19	49.32	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1070.4	3.33	34.42	27.42	74.9	12.72	54.89	1480.8

WIND MIXED LAYER DEPTH = 59.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-02
STN:HC10
90/1/10
0
3
6
9
12
15
TEMPERATURE C

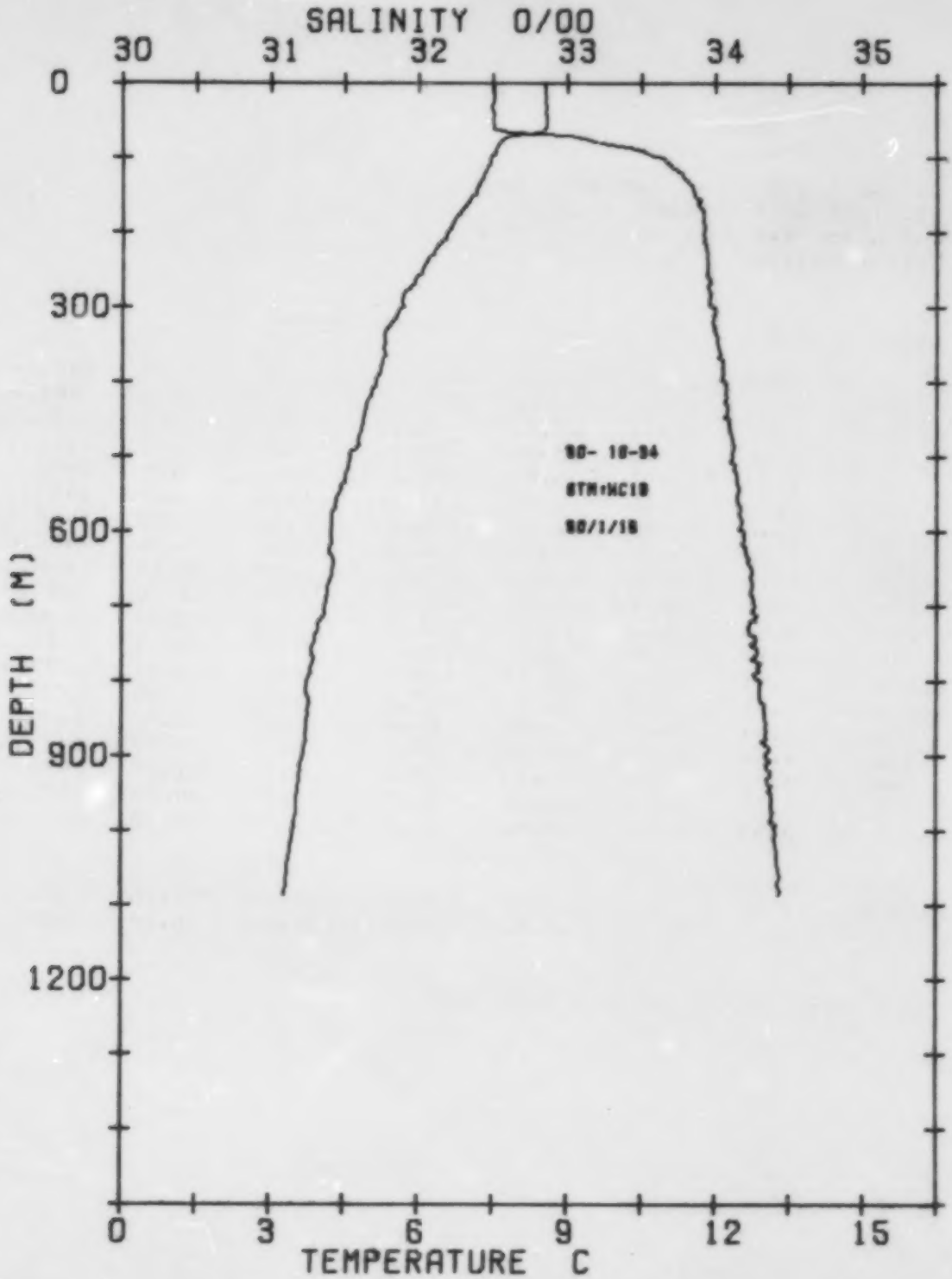
CRUISE : C.O.D.E. 80-10.
STATION: WC18 CONS #052
LAT N 48 42.0 LONG W 127 46.0
DATE 80/01/18 TIME (PST) 0400

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.49	32.50	25.26	271.7	.00	.00	1481.6
10	8.51	32.50	25.26	272.0	.27	.01	1481.8
20	8.50	32.51	25.27	271.5	.54	.05	1481.9
30	8.51	32.50	25.26	272.3	.82	.12	1482.1
50	8.49	32.51	25.27	271.3	1.36	.34	1482.4
75	7.66	33.35	26.05	197.6	1.91	.68	1480.7
100	7.48	33.62	26.29	175.4	2.36	1.09	1480.7
125	7.28	33.78	26.44	161.4	2.80	1.56	1480.6
150	7.10	33.86	26.55	151.6	3.19	2.10	1480.4
175	6.81	33.90	26.60	146.7	3.57	2.70	1479.7
200	6.53	33.93	26.67	141.0	3.92	3.38	1479.0
225	6.17	33.94	26.72	136.3	4.27	4.11	1478.0
250	5.91	33.96	26.77	131.7	4.61	4.91	1477.4
300	5.51	33.97	26.82	127.2	5.26	6.69	1476.6
400	4.94	34.04	26.94	116.4	6.47	10.92	1476.0
500	4.50	34.11	27.05	106.8	7.57	15.90	1475.9
600	4.27	34.18	27.13	100.1	8.60	21.55	1476.7
800	3.80	34.32	27.29	85.9	10.46	34.48	1478.2
1000	3.41	34.41	27.40	76.1	12.09	49.13	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1090.0	3.25	34.42	27.42	74.5	12.76	56.14	1480.8

WIND MIXED LAYER DEPTH = 52.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-04
STN:HC10
90/1/16
0
3
6
9
12
15
TEMPERATURE C

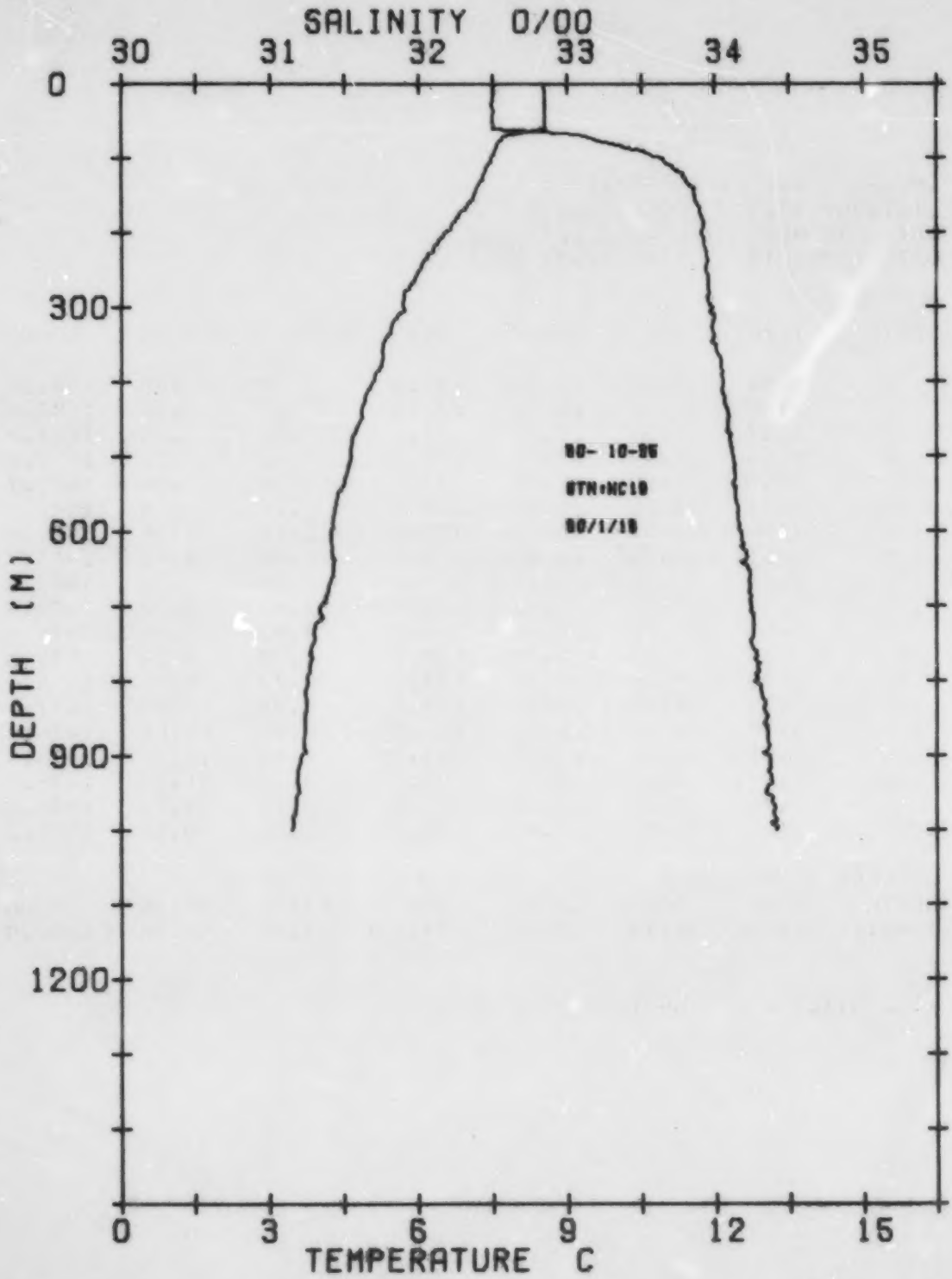
CRUISE : C.O.U.E. AU-10.
STATION: #C19 CONS #054
LAT N 48 48.0 LONG W 127 37.5
DATE 80/01/18 TIME (PST) 0512

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.54	32.50	25.26	272.1	.00	.00	1481.7
10	8.56	32.51	25.26	271.9	.27	.01	1482.0
20	8.57	32.51	25.26	272.5	.54	.05	1482.2
30	8.58	32.49	25.25	273.7	.82	.12	1482.4
50	8.56	32.50	25.25	273.6	1.36	.34	1482.7
75	7.72	33.15	25.89	213.1	2.01	.74	1480.7
100	7.48	33.65	26.32	173.2	2.48	1.16	1480.8
125	7.31	33.79	26.45	160.7	2.90	1.63	1480.7
150	7.15	33.86	26.53	153.8	3.29	2.16	1480.6
175	6.84	33.92	26.61	145.8	3.67	2.77	1479.8
200	6.61	33.92	26.65	142.9	4.03	3.44	1479.4
225	6.35	33.95	26.70	138.2	4.38	4.19	1478.8
250	6.09	33.95	26.74	134.7	4.72	5.00	1478.1
300	5.70	34.00	26.82	127.0	5.38	6.80	1477.4
400	5.14	34.07	26.94	116.3	6.59	11.06	1476.9
500	4.61	34.12	27.05	107.2	7.72	16.10	1476.4
600	4.23	34.19	27.14	99.0	8.75	21.77	1476.5
800	3.76	34.31	27.26	86.4	10.61	34.79	1478.0
1000	3.46	34.41	27.40	76.5	12.26	49.59	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1085.2	3.29	34.43	27.42	74.3	12.90	56.28	1480.9

MIXED MIXED LAYER DEPTH = 64.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-06
STN:NC10
80/1/10
0
3
6
9
12
15
TEMPERATURE C

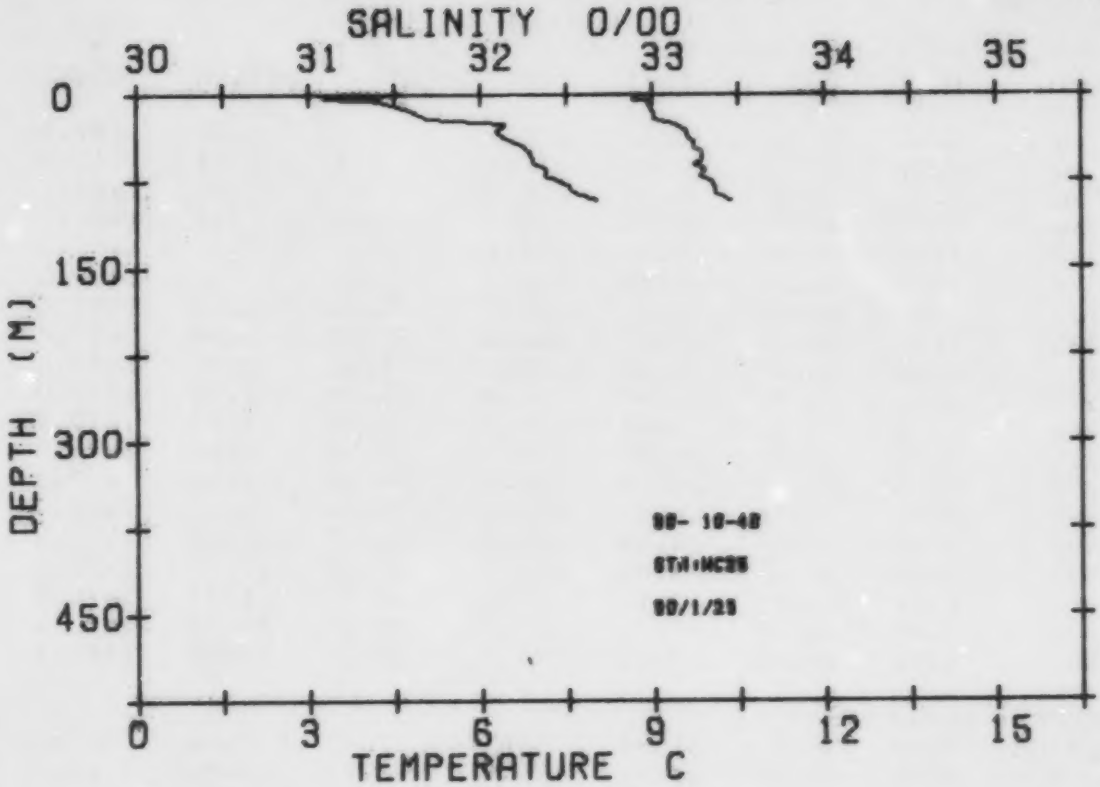
CRUISE : C.O.D.E. 80-10.
STATION: WC19 CONS #035
LAT N 48 48.0 LONG W 127 37.5
DATE 80/01/18 TIME (PST) 0703

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.54	32.51	25.26	271.8	.00	.00	1481.7
10	8.54	32.51	25.27	271.4	.27	.01	1481.9
20	8.55	32.50	25.26	272.7	.54	.05	1482.1
30	8.55	32.50	25.25	273.0	.82	.12	1482.3
50	8.56	32.50	25.26	273.1	1.36	.34	1482.6
75	7.67	33.21	25.94	208.2	1.98	.72	1480.5
100	7.48	33.65	26.31	173.7	2.45	1.13	1480.8
125	7.31	33.80	26.46	160.3	2.87	1.60	1480.7
150	7.15	33.87	26.53	153.5	3.26	2.14	1480.6
175	6.86	33.91	26.61	146.4	3.64	2.75	1479.9
200	6.58	33.91	26.64	143.3	4.00	3.43	1479.2
225	6.29	33.95	26.71	137.1	4.35	4.17	1478.5
250	6.05	33.94	26.74	134.9	4.69	4.98	1477.9
300	5.70	33.99	26.82	127.6	5.34	6.78	1477.4
400	5.12	34.06	26.95	116.2	6.57	11.06	1476.8
500	4.65	34.13	27.05	106.9	7.69	16.08	1476.6
600	4.24	34.18	27.13	99.5	8.72	21.77	1476.6
800	3.79	34.27	27.26	89.1	10.59	34.82	1478.1
1000	3.45	34.41	27.40	76.4	12.23	49.48	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.0	3.45	34.41	27.40	76.4	12.23	49.48	1480.1

WIND MIXED LAYER DEPTH = 59.8 METRES

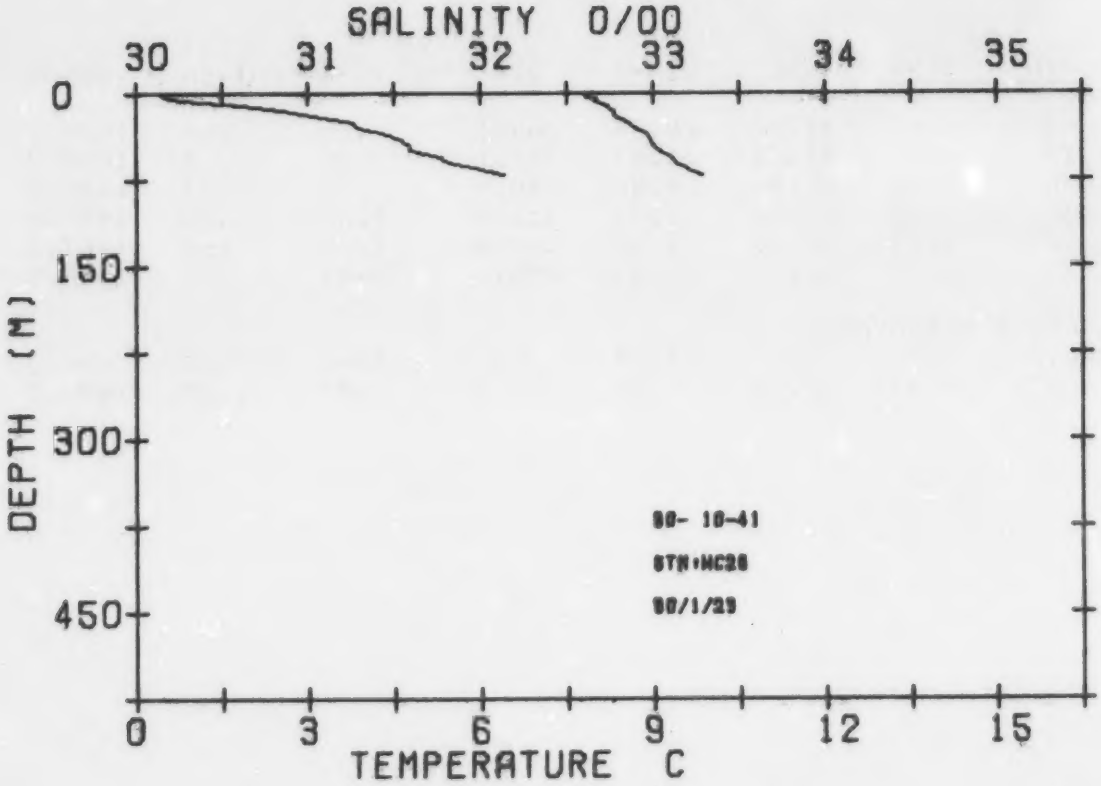

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: WC25 CONS #040
LAT N 49 21.5 LONG W 126 44.5
DATE 80/01/23 TIME (PST) 1033

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.68	31.29	24.29	364.1	.00	.00	1480.7
10	8.96	31.52	24.43	351.1	.36	.02	1482.2
20	9.04	31.69	24.55	339.9	.71	.07	1482.9
30	9.57	32.11	24.79	316.8	1.03	.15	1485.6
50	9.87	32.29	24.89	308.4	1.65	.40	1487.3
75	10.05	32.47	24.99	298.6	2.41	.87	1488.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
91.3	10.37	32.68	25.11	288.4	2.89	1.27	1490.2

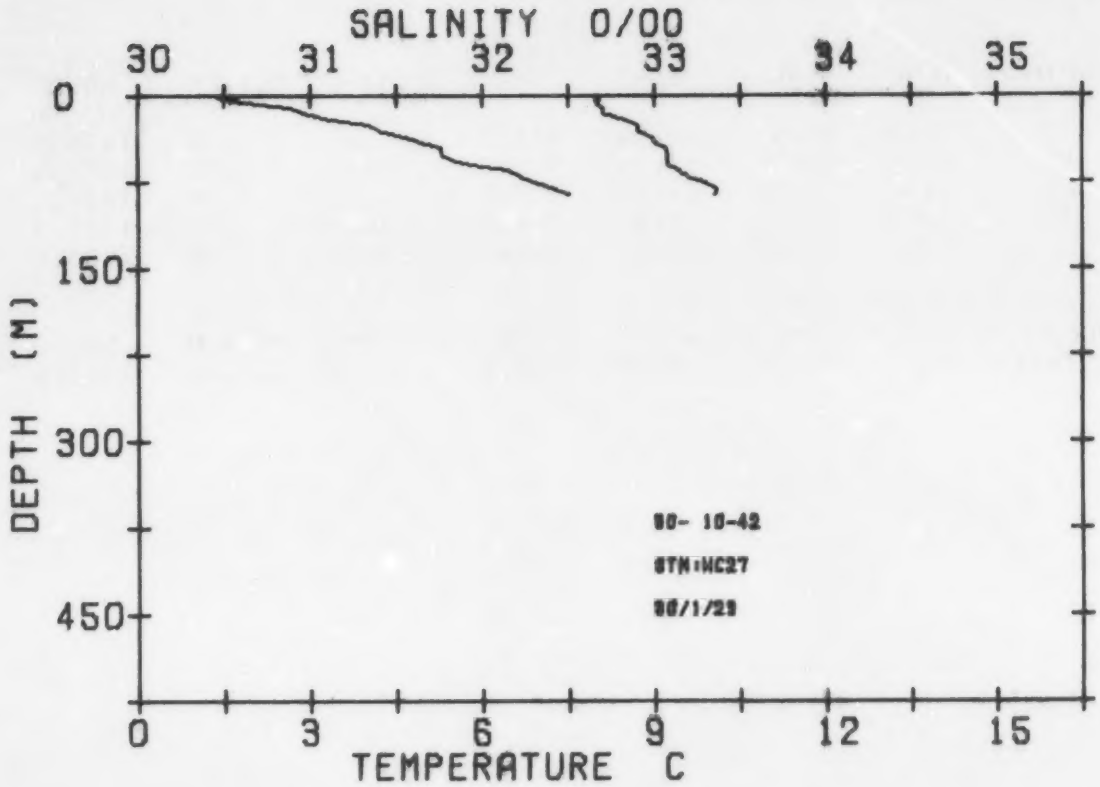

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-41
STN:HC26
90/1/29
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: WC26 CONS #041
LAT N 49 30.5 LONG W 126 51.2
DATE 80/01/23 TIME (PST) 1150

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.83	30.14	23.51	438.3	.00	.00	1476.0
10	8.20	30.59	23.81	409.9	.43	.02	1478.1
20	8.36	31.03	24.14	379.0	.82	.08	1479.5
30	8.69	31.30	24.29	364.3	1.19	.17	1481.3
50	9.13	31.60	24.47	348.3	1.90	.45	1483.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
70.1	9.87	32.14	24.76	320.4	2.57	.85	1487.4

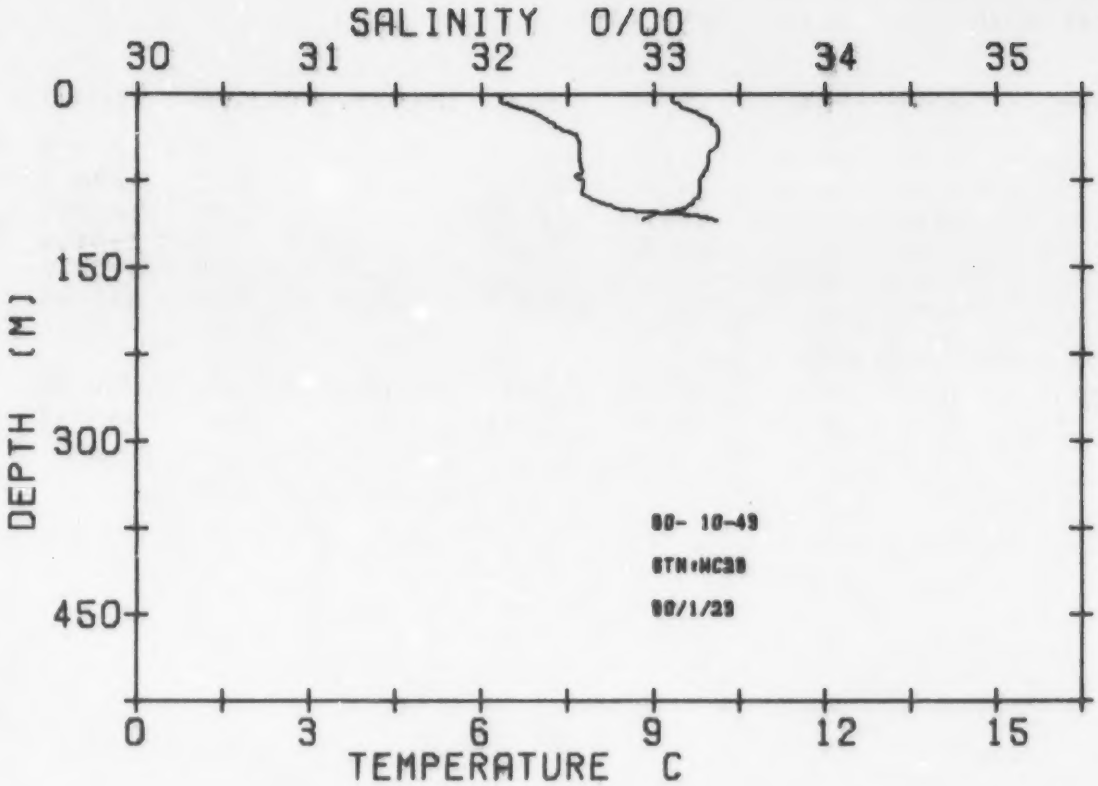

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-42
STN:WC27
90/1/29
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: WC27 CONS #042
LAT N 49 36.0 LONG W 127 01.1
DATE 80/01/23 TIME (PST) 1244

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.99	30.46	23.74	416.5	.00	.00	1477.0
10	8.08	30.87	24.05	387.3	.41	.02	1478.0
20	8.49	31.12	24.18	374.7	.79	.08	1480.1
30	8.70	31.40	24.38	356.5	1.15	.17	1481.4
50	9.23	31.77	24.58	337.3	1.84	.44	1484.2
75	9.85	32.30	24.90	307.9	2.64	.94	1487.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.2	10.05	32.51	25.02	296.1	2.95	1.19	1488.7

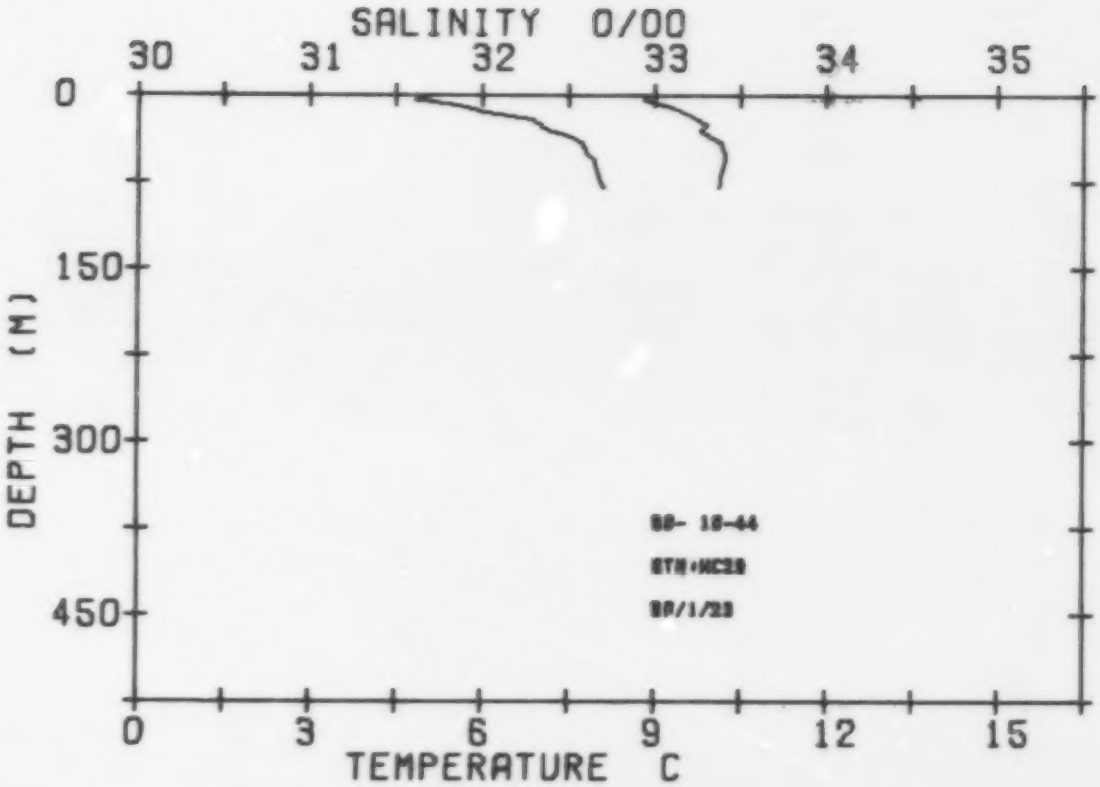

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-43
STN:NC38
80/1/23
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: #C28 CONS #043
LAT N 49 40.5 LONG W 127 11.0
DATE 80/01/23 TIME (PST) 1340

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.33	32.10	24.82	313.5	.00	.00	1484.2
10	9.44	32.20	24.88	308.2	.31	.02	1484.9
20	9.93	32.37	24.94	303.2	.62	.06	1487.1
30	10.10	32.45	24.97	299.7	.92	.14	1488.0
50	10.00	32.57	25.08	289.8	1.50	.37	1488.1
75	9.82	32.59	25.12	286.3	2.23	.82	1487.9
100	9.51	32.82	25.36	264.4	2.93	1.44	1487.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
112.9	8.81						

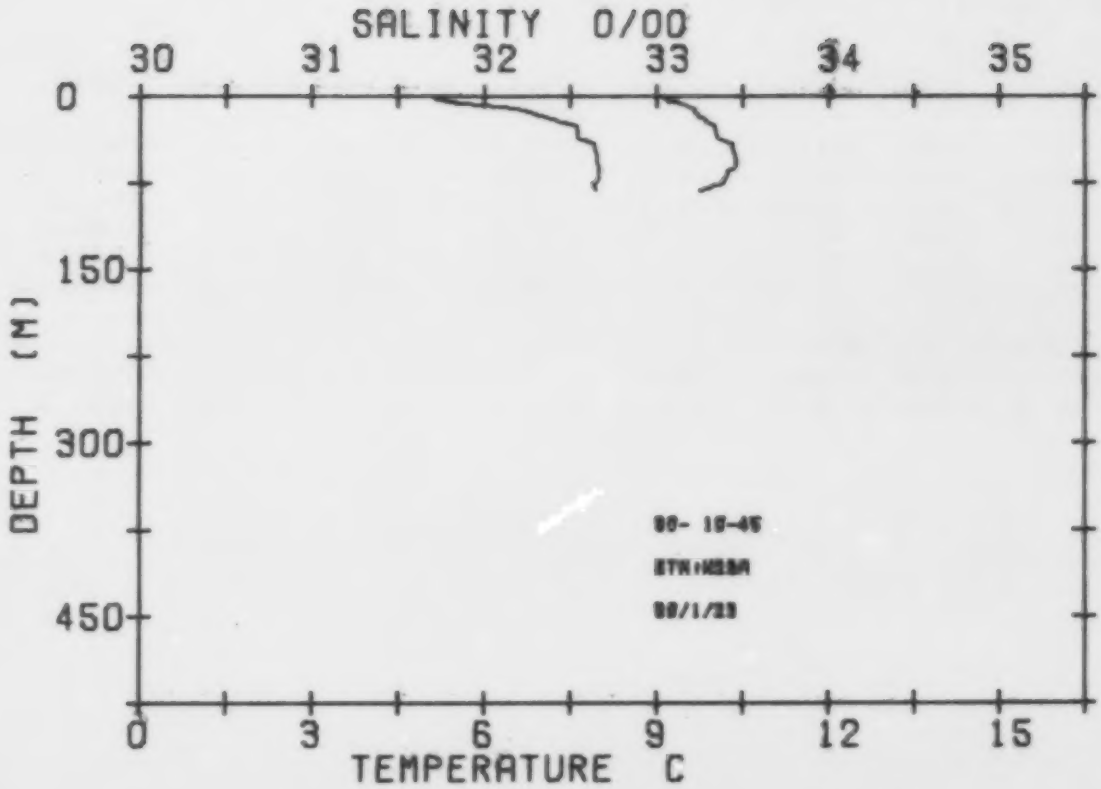

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: #C29 CONS #044
LAT N 49 46.0 LONG W 127 20.0
DATE 80/01/23 TIME (PST) 1438

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.81	31.62	24.53	341.7	.00	.00	1481.6
10	9.29	31.92	24.69	326.5	.34	.02	1484.0
20	9.72	32.25	24.88	308.4	.66	.07	1486.2
30	9.81	32.38	24.96	300.6	.96	.14	1486.8
50	10.22	32.61	25.07	290.6	1.55	.37	1488.9
75	10.15	32.69	25.15	284.2	2.26	.82	1489.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
80.1	10.12	32.71	25.17	282.1	2.41	.93	1489.2

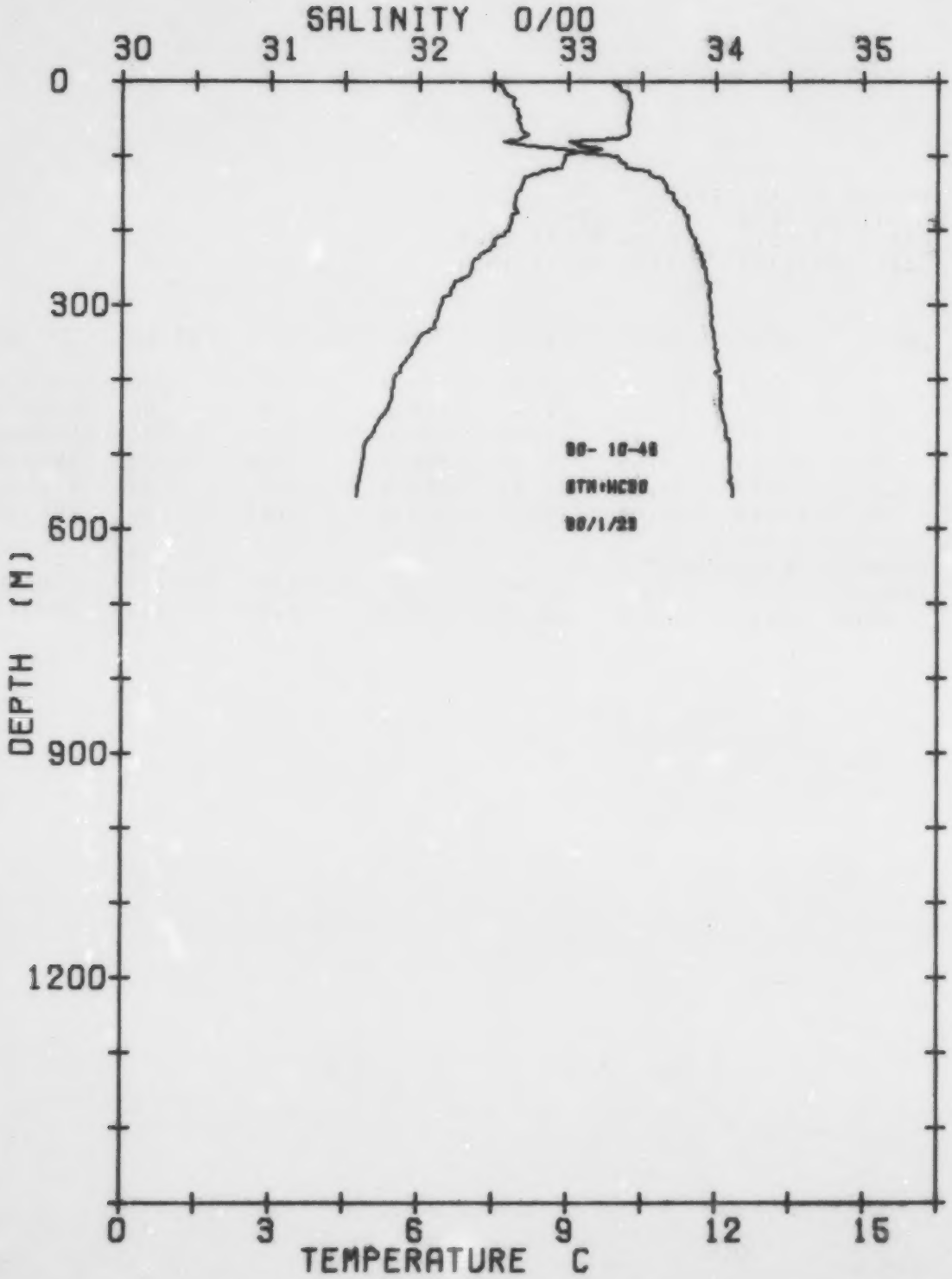

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: W29A CONS 4045
LAT N 49 42.8 LONG W 127 24.2
DATE 80/01/23 TIME (PST) 1514

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.12	31.71	24.55	339.7	.00	.00	1482.9
10	9.62	32.16	24.82	313.8	.33	.02	1485.5
20	9.88	32.42	24.99	298.4	.64	.06	1487.0
30	10.04	32.55	25.06	292.0	.93	.14	1487.9
50	10.37	32.66	25.09	289.4	1.51	.37	1489.5
75	10.14	32.64	25.11	287.6	2.23	.82	1489.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
80.6	9.77	32.65	25.18	280.9	2.39	.94	1487.8


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

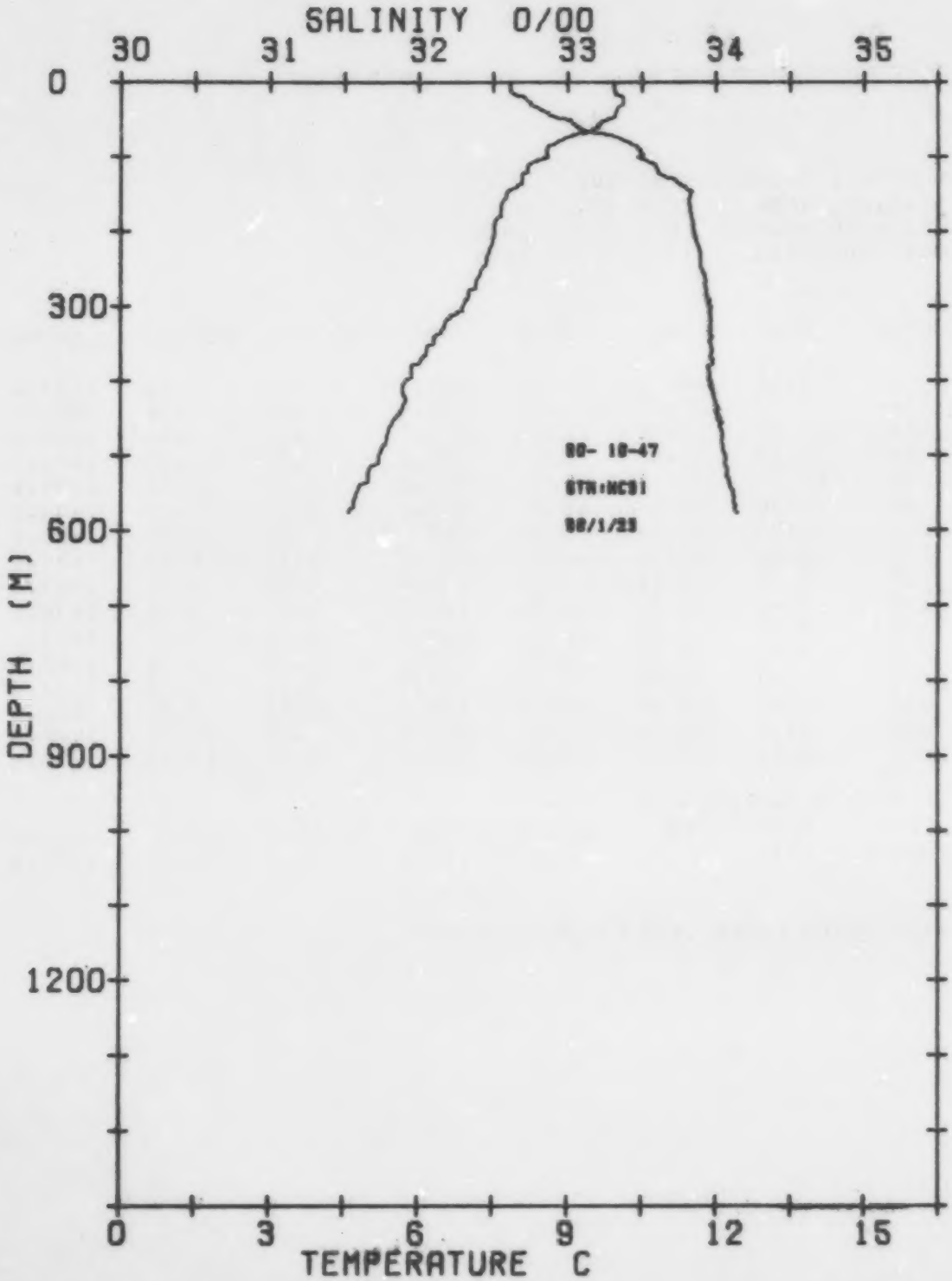
CRUISE : C.O.D.E. 80-10.
STATION: #C30 CONS #046
LAT N 49 40.5 LONG W 127 29.0
DATE 80/01/23 TIME (PST) 1555

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.94	32.53	25.06	291.0	.00	.00	1487.0
10	10.07	32.57	25.07	290.5	.29	.02	1487.7
20	10.24	32.63	25.09	288.7	.58	.06	1488.5
30	10.30	32.63	25.07	290.1	.87	.13	1488.9
50	10.25	32.66	25.11	287.5	1.44	.36	1489.1
75	10.06	32.68	25.16	283.0	2.16	.80	1488.9
100	8.93	33.34	25.85	217.2	2.80	1.36	1485.9
125	8.26	33.57	26.14	190.7	3.32	1.95	1484.1
150	7.97	33.71	26.29	176.4	3.77	2.57	1483.6
175	7.97	33.79	26.35	171.2	4.21	3.28	1484.1
200	7.79	33.83	26.41	166.1	4.63	4.07	1483.8
225	7.42	33.87	26.50	158.1	5.03	4.92	1482.9
250	7.07	33.93	26.59	149.4	5.41	5.83	1482.0
300	6.47	33.97	26.70	139.2	6.13	7.80	1480.5
400	5.50	34.03	26.87	123.4	7.45	12.40	1478.3
500	4.88	34.10	27.00	111.7	8.64	17.73	1477.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
556.9	4.75	34.11	27.02	110.5	9.27	21.07	1477.9

WIND MIXED LAYER DEPTH = 74.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

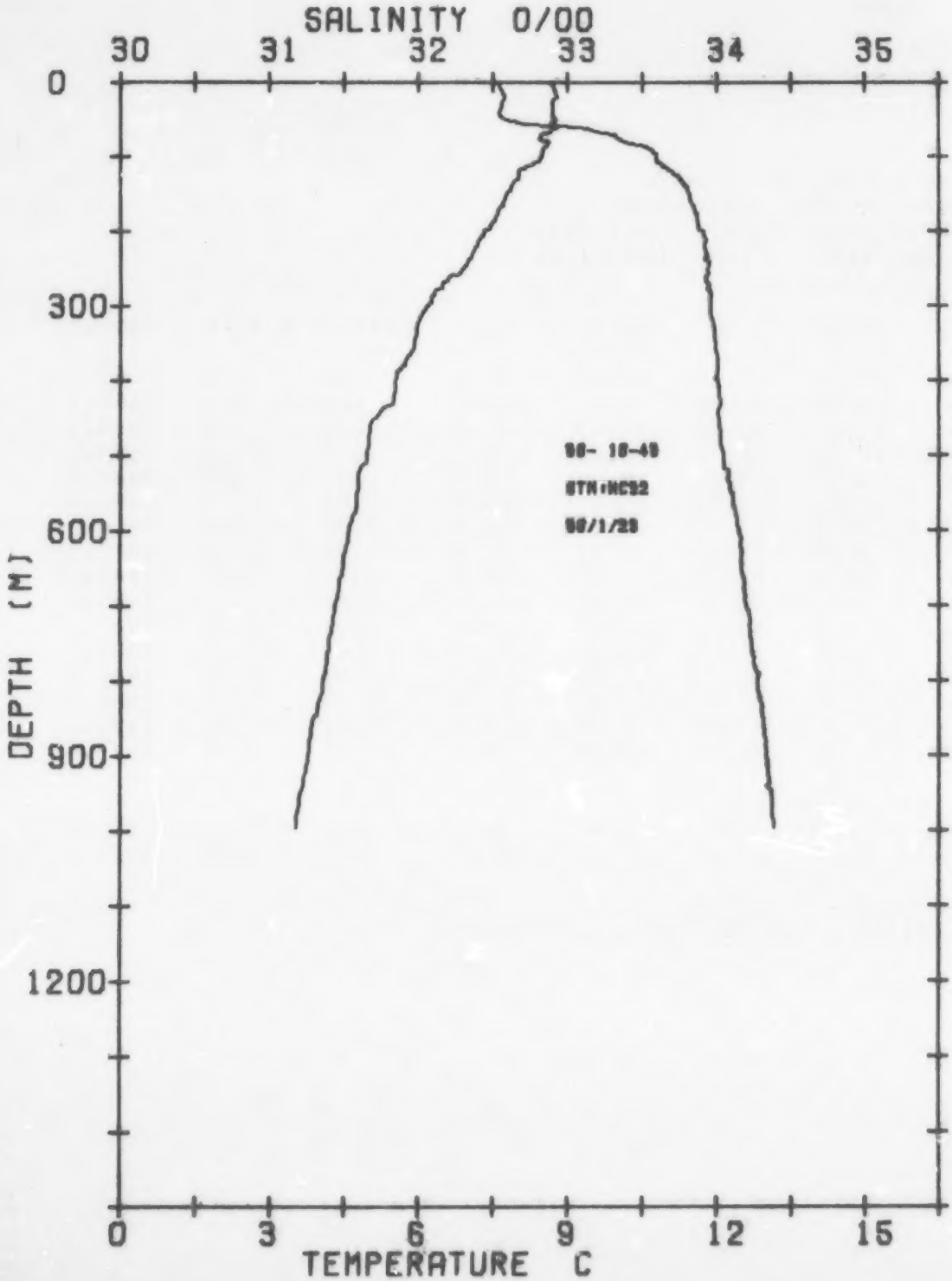
CRUISE : C.O.D.E. 80-10.
STATION: WC31 CONS #047
LAT N 49 34.5 LONG W 127 38.0
DATE 80/01/23 TIME (PST) 1704

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.96	32.61	25.12	285.5	.00	.00	1487.2
10	9.94	32.62	25.13	284.4	.28	.01	1487.3
20	10.15	32.72	25.17	280.8	.57	.06	1488.3
30	10.12	32.76	25.21	277.3	.85	.13	1488.4
50	9.79	33.02	25.46	253.6	1.38	.34	1487.9
75	8.92	33.36	25.87	214.9	1.98	.71	1485.5
100	8.61	33.48	26.01	202.3	2.49	1.16	1484.9
125	8.08	33.65	26.23	181.8	2.96	1.69	1483.5
150	7.77	33.83	26.42	164.5	3.39	2.28	1482.9
175	7.66	33.84	26.44	162.9	3.80	2.95	1483.0
200	7.53	33.86	26.47	160.0	4.21	3.70	1482.9
225	7.44	33.90	26.51	156.4	4.60	4.54	1483.0
250	7.30	33.91	26.54	153.8	4.99	5.47	1482.9
300	6.89	33.97	26.65	144.7	5.74	7.52	1482.1
400	5.77	33.97	26.79	131.7	7.11	12.32	1479.3
500	5.21	34.06	26.93	118.6	8.37	17.95	1478.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
575.4	4.60	34.15	27.07	105.3	9.21	22.50	1477.6

WIND MIXED LAYER DEPTH = 55.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

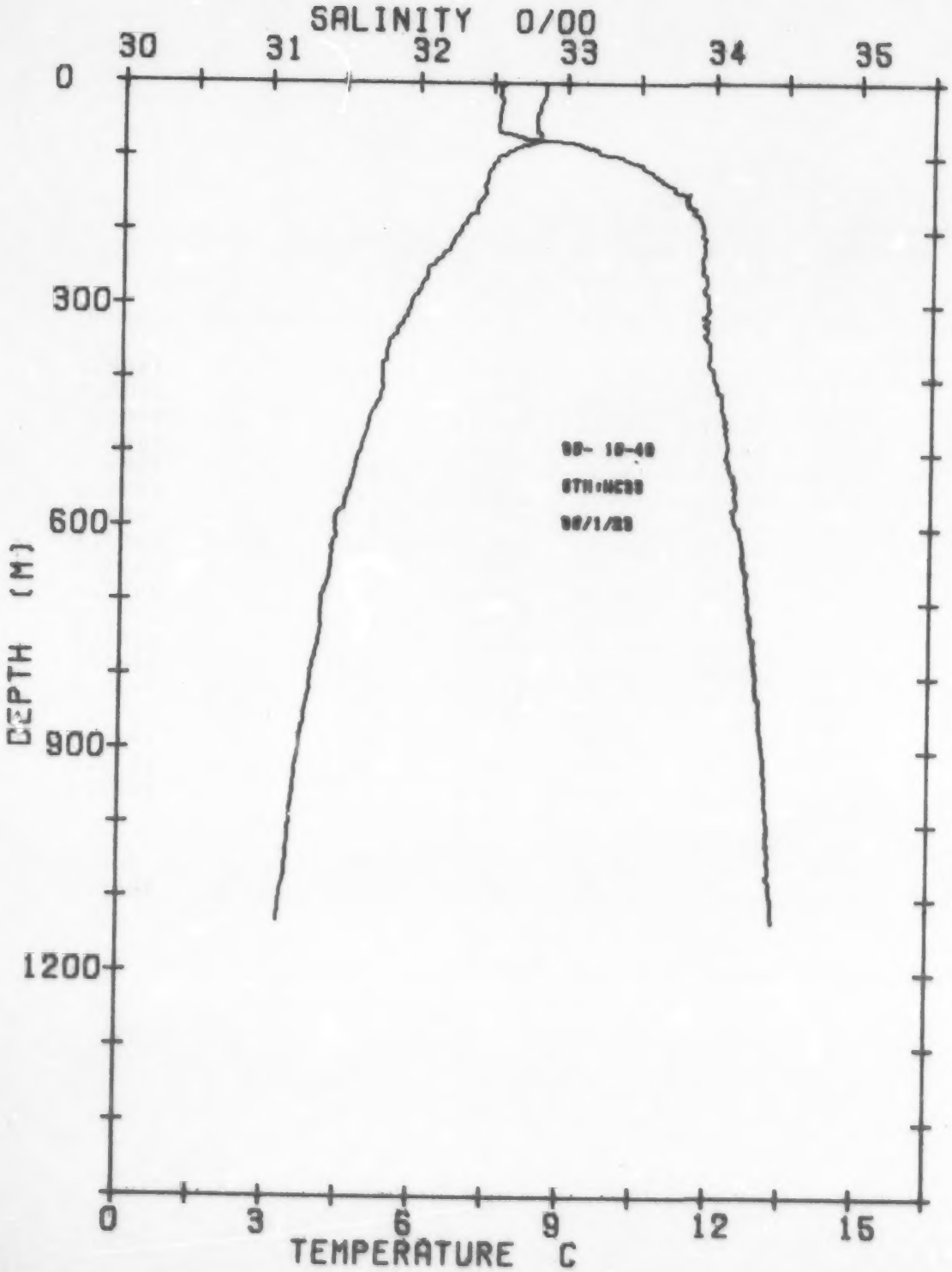
GROUPE : [illegible] 80-10.
STATION: [illegible] CONS [illegible]
LAT [illegible] 29.0 LONG [illegible] 127 [illegible]
DATE 80/01/23 TIME (PST) 1822

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	[illegible]	[illegible]	25.2[illegible]	270.[illegible]	.00	.00	1482.2
10	[illegible]	32.5[illegible]	25.2[illegible]	270.[illegible]	.27	.01	1482.7
20	[illegible]	32.5[illegible]	25.2[illegible]	270.[illegible]	.54	.05	1483.1
30	[illegible]	32.5[illegible]	25.2[illegible]	270.[illegible]	.81	.12	1482.9
50	[illegible]	32.[illegible]	25.3[illegible]	268.7	1.35	.34	1483.5
75	[illegible]	33.3[illegible]	25.9[illegible]	208.9	1.94	.70	1483.6
100	[illegible]	33.5[illegible]	26.12	192.3	2.43	1.13	1484.5
125	[illegible]	33.7[illegible]	26.31	174.7	2.89	1.65	1483.3
150	7.79	33.[illegible]	26.40	165.8	3.32	2.23	1483.0
175	7.62	33.87	26.46	160.5	3.73	2.90	1482.8
200	7.36	33.90	26.5[illegible]	154.4	4.12	3.64	1482.3
225	7.15	33.9[illegible]	26.5[illegible]	150.2	4.50	4.45	1481.9
250	[illegible]	33.94	26.62	146.3	4.87	5.32	1481.4
300	[illegible]	33.96	26.7[illegible]	136.5	5.58	7.25	1479.5
400	[illegible]	34.01	26.8[illegible]	126.0	6.88	11.62	1478.5
500	[illegible]	34.05	26.95	117.0	8.10	17.27	1477.9
600	[illegible]	34.15	27.07	105.8	9.21	23.38	1476.1
800	[illegible]	34.28	27.23	92.0	11.20	37.26	1479.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
995.4	[illegible]	34.39	27.37	79.3	12.86	52.13	1480.3

WIND MIXED LAYER DEPTH = 65.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

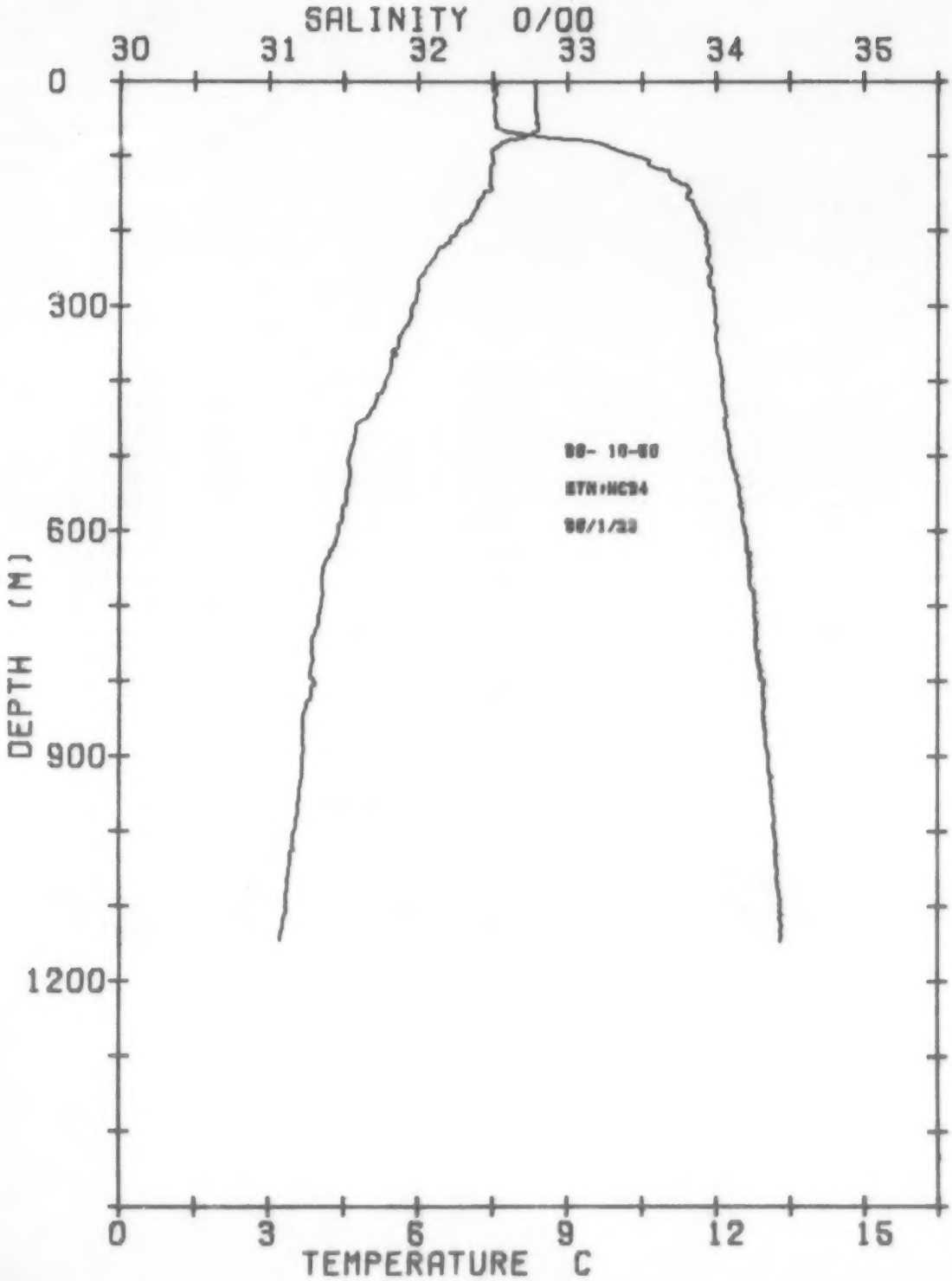
CRUISE : C.O.D.E. 80-10.
STATION: WC33 CONS #049
LAT N 49 23.5 LONG W 127 55.0
DATE 80/01/23 TIME (PST) 1946

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.55	32.57	25.31	267.4	.00	.00	1481.9
10	8.54	32.55	25.30	268.5	.27	.01	1482.0
20	8.55	32.56	25.30	268.5	.54	.05	1482.2
30	8.47	32.55	25.31	267.9	.81	.12	1482.0
50	8.38	32.54	25.31	267.5	1.34	.34	1482.0
75	8.46	32.72	25.44	255.8	2.00	.75	1482.9
100	7.62	33.37	26.08	195.7	2.55	1.23	1481.0
125	7.42	33.61	26.29	176.2	3.02	1.75	1480.9
150	7.39	33.82	26.46	159.8	3.44	2.33	1481.5
175	7.16	33.85	26.52	155.3	3.83	2.97	1481.0
200	6.86	33.93	26.62	146.0	4.21	3.67	1480.3
225	6.63	33.94	26.66	142.1	4.57	4.43	1479.9
250	6.20	33.93	26.70	138.0	4.92	5.27	1478.5
300	5.87	33.96	26.77	132.1	5.59	7.12	1478.1
400	5.30	34.01	26.88	122.2	6.87	11.57	1477.4
500	4.86	34.10	27.01	111.3	8.03	16.77	1477.4
600	4.38	34.19	27.13	100.3	9.09	22.60	1477.2
800	3.90	34.32	27.28	87.0	10.96	35.64	1478.6
1000	3.50	34.41	27.39	77.4	12.60	50.37	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1131.2	3.26	34.44	27.44	73.0	13.59	60.96	1481.5

WIND MIXED LAYER DEPTH = 79.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-60
STN:HC94
90/1/23
0
3
6
9
12
15
TEMPERATURE C

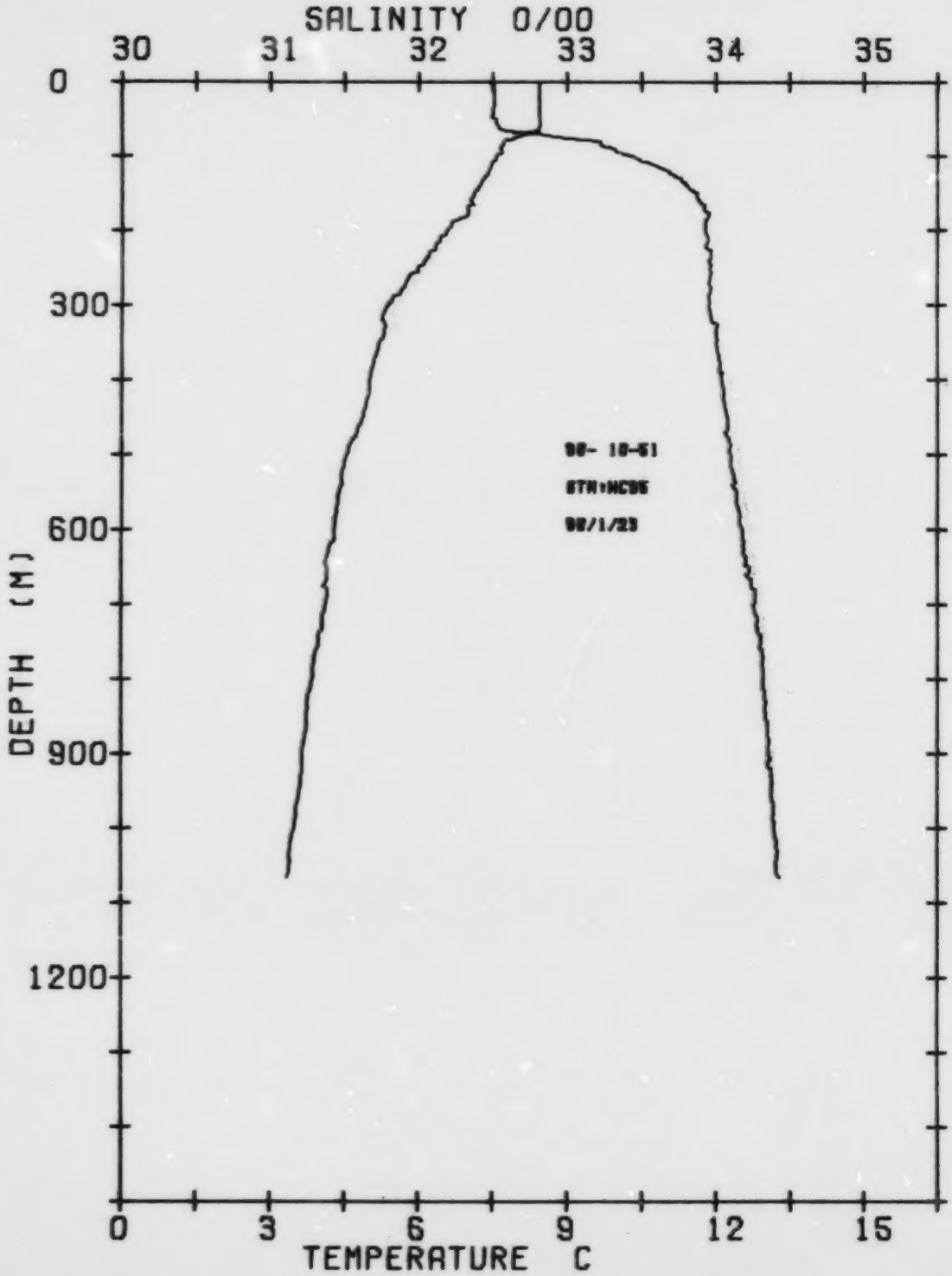
CRUISE : C.O.D.E. 80-10.
STATION: WC34 CONS #050
LAT N 49 18.0 LONG W 126 04.0
DATE 80/01/23 TIME (PST) 2201

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.36	32.52	25.30	268.3	.00	.00	1481.1
10	8.36	32.52	25.30	268.0	.27	.01	1481.2
20	8.37	32.51	25.29	269.0	.54	.05	1481.4
30	8.36	32.52	25.30	268.4	.81	.12	1481.6
50	8.40	32.52	25.29	269.8	1.34	.34	1482.0
75	8.13	32.86	25.62	239.3	2.00	.75	1481.9
100	7.49	33.46	26.16	187.8	2.51	1.19	1480.6
125	7.46	33.69	26.35	170.7	2.96	1.69	1481.2
150	7.33	33.81	26.46	160.5	3.37	2.26	1481.2
175	7.13	33.88	26.55	152.5	3.76	2.90	1480.9
200	6.80	33.94	26.63	144.2	4.14	3.59	1480.1
225	6.44	33.95	26.69	139.3	4.49	4.35	1479.1
250	6.19	33.97	26.74	135.1	4.84	5.17	1478.6
300	5.92	34.00	26.80	129.7	5.50	6.99	1478.3
400	5.37	34.05	26.90	120.6	6.76	11.38	1477.8
500	4.64	34.10	27.03	108.9	7.90	16.53	1476.5
600	4.42	34.20	27.13	99.7	8.95	22.27	1477.3
800	3.91	34.33	27.29	86.1	10.80	35.21	1478.6
1000	3.54	34.40	27.38	78.7	12.46	50.07	1480.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1146.4	3.24	34.43	27.44	73.5	13.56	61.93	1481.7

WIND MIXED LAYER DEPTH = 68.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

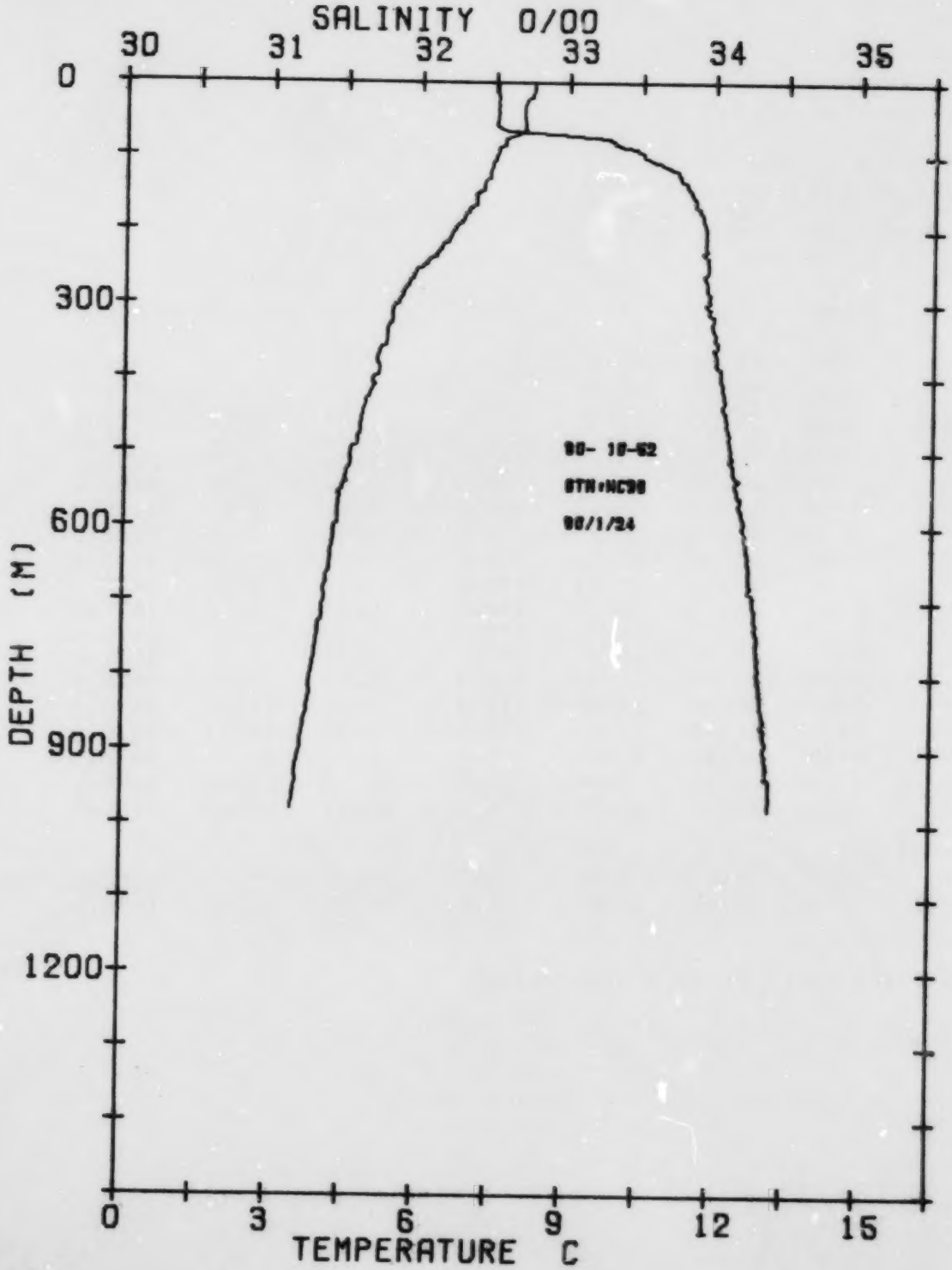
CRUISE : C.O.D.E. 80-10.
STATION: NC35 CONS #051
LAT N 49 12.0 LONG W 128 12.5
DATE 80/01/23 TIME (PST) 2335

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.43	32.50	25.28	270.5	.00	.00	1481.3
10	8.42	32.51	25.28	270.1	.27	.01	1481.4
20	8.42	32.51	25.28	270.3	.54	.05	1481.6
30	8.43	32.51	25.28	270.4	.81	.12	1481.8
50	8.44	32.52	25.29	270.0	1.35	.34	1482.2
75	7.98	32.99	25.72	229.0	2.00	.74	1481.4
100	7.59	33.44	26.13	190.5	2.52	1.19	1480.9
125	7.40	33.72	26.38	167.7	2.96	1.69	1481.0
150	7.14	33.87	26.53	153.1	3.36	2.24	1480.6
175	7.02	33.95	26.61	146.2	3.74	2.85	1480.6
200	6.61	33.93	26.66	142.1	4.10	3.52	1479.4
225	6.32	33.96	26.71	137.1	4.45	4.26	1478.6
250	6.01	33.96	26.76	132.9	4.78	5.07	1477.8
300	5.39	33.95	26.82	126.8	5.43	6.85	1476.1
400	5.02	34.04	26.93	117.4	6.65	11.09	1476.3
500	4.56	34.10	27.04	108.0	7.78	16.17	1476.2
600	4.30	34.18	27.13	100.4	8.82	21.91	1476.8
800	3.86	34.32	27.28	86.5	10.68	34.88	1478.4
1000	3.50	34.39	27.38	78.3	12.33	49.65	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1065.3	3.36	34.43	27.42	74.9	12.83	54.82	1480.8

WIND MIXED LAYER DEPTH = 65.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-52
STN:NC90
90/1/24
0
3
6
9
12
15
TEMPERATURE C

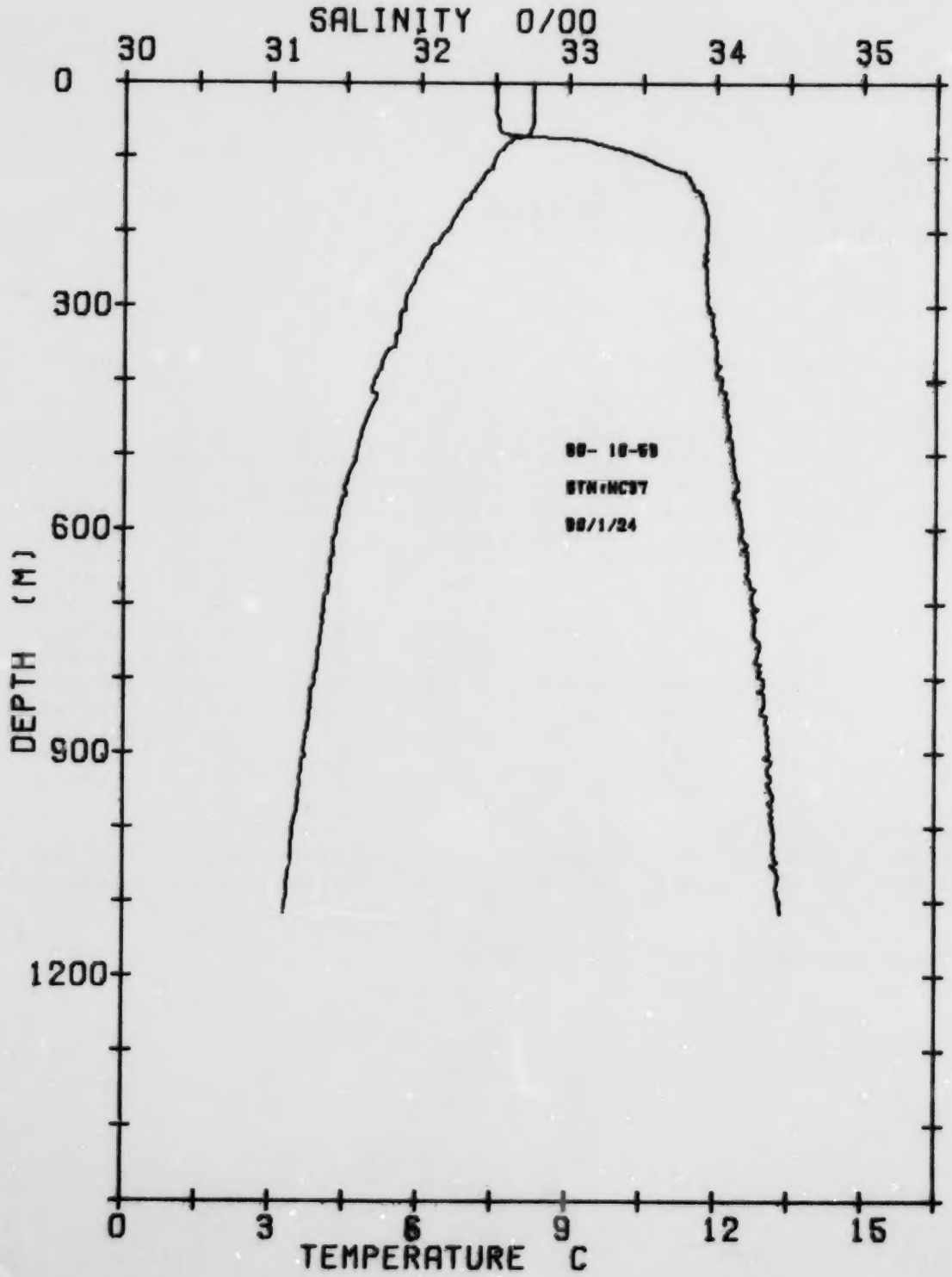
CRUISE : C.O.D.E. 80-10.
STATION: WC36 CONS #052
LAT N 49 06.5 LONG W 128 21.0
DATE 80/01/24 TIME (PST) 0106

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.27	32.52	25.31	267.0	.00	.00	1480.7
10	8.27	32.51	25.31	267.6	.27	.01	1480.9
20	8.22	32.52	25.32	266.7	.53	.05	1480.9
30	8.09	32.52	25.34	265.0	.80	.12	1480.5
50	8.08	32.51	25.33	265.8	1.33	.33	1480.8
75	7.76	33.22	25.94	208.8	1.96	.72	1480.9
100	7.54	33.51	26.20	184.5	2.45	1.15	1480.9
125	7.37	33.76	26.41	164.3	2.88	1.63	1480.9
150	7.19	33.84	26.51	155.8	3.28	2.18	1480.7
175	6.96	33.91	26.59	148.1	3.66	2.80	1480.3
200	6.69	33.94	26.65	142.8	4.03	3.48	1479.7
225	6.42	33.95	26.69	138.9	4.38	4.23	1479.0
250	6.03	33.96	26.75	133.5	4.72	5.05	1477.9
300	5.55	33.94	26.80	129.4	5.38	6.85	1476.7
400	5.06	34.05	26.94	116.8	6.60	11.11	1476.5
500	4.61	34.11	27.04	108.1	7.72	16.17	1476.4
600	4.31	34.20	27.15	98.5	8.75	21.81	1476.9
800	3.84	34.32	27.29	86.2	10.59	34.62	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
980.2	3.47	34.40	27.39	77.3	12.06	47.68	1479.9

WIND MIXED LAYER DEPTH = 64.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

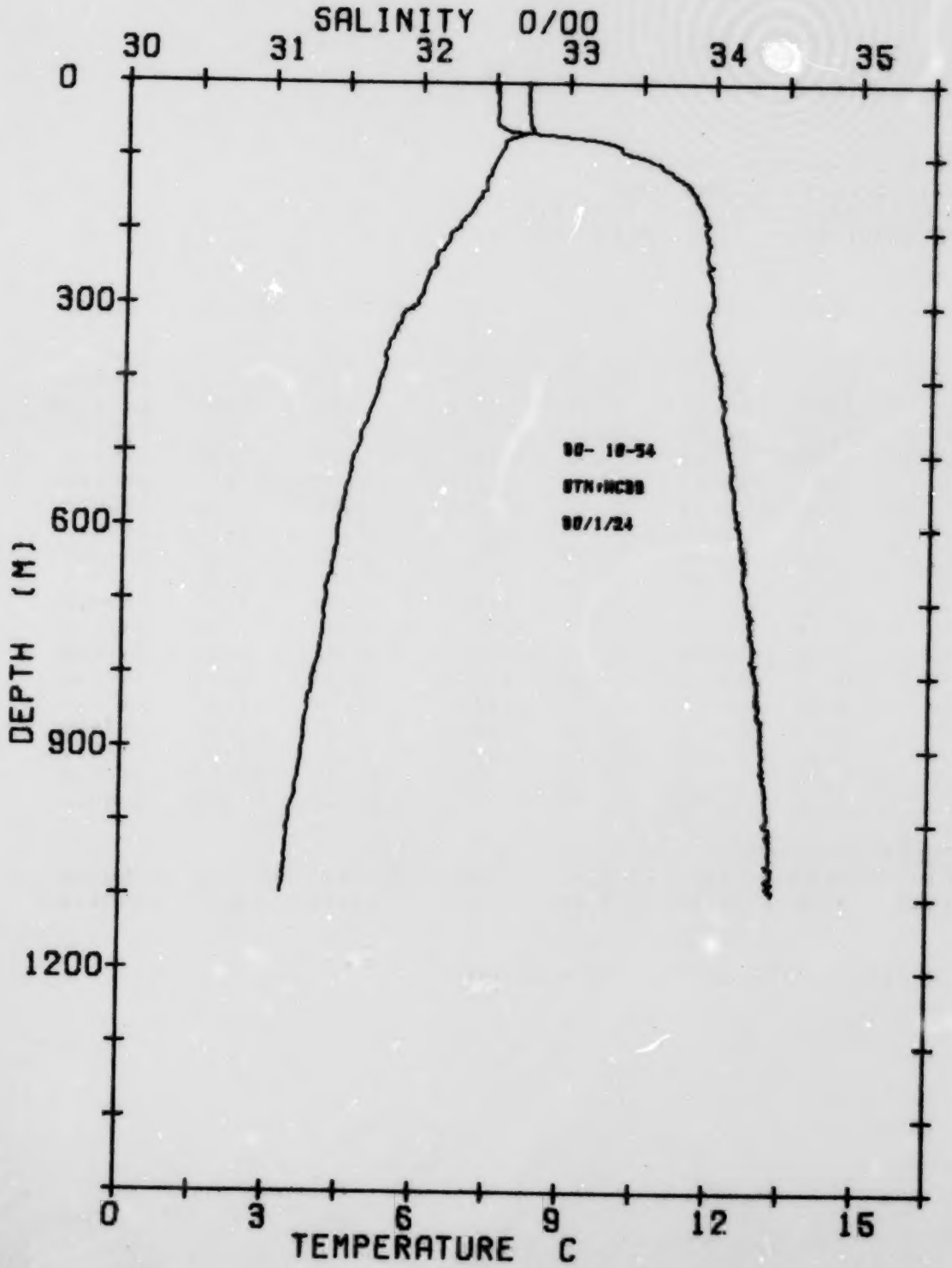
CRUISE : C.O.D.E. 80-10.
STATION: WC37 CONS #053
LAT N 49 12.5 LONG W 128 29.0
DATE 80/01/24 TIME (PST) 0410

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.27	32.51	25.30	268.0	.00	.00	1480.7
10	8.27	32.51	25.30	267.8	.27	.01	1480.9
20	8.27	32.51	25.31	267.7	.54	.05	1481.0
30	8.28	32.51	25.31	267.8	.80	.12	1481.2
50	8.27	32.53	25.32	267.1	1.34	.34	1481.5
75	7.89	33.07	25.80	221.7	1.99	.74	1481.2
100	7.54	33.51	26.20	184.3	2.49	1.18	1480.8
125	7.30	33.80	26.46	159.9	2.93	1.66	1480.7
150	7.02	33.90	26.57	149.5	3.31	2.19	1480.1
175	6.74	33.94	26.64	143.4	3.68	2.79	1479.5
200	6.56	33.94	26.67	141.0	4.04	3.46	1479.2
225	6.21	33.94	26.71	137.1	4.38	4.19	1478.2
250	6.02	33.94	26.74	135.0	4.72	5.01	1477.8
300	5.70	33.96	26.79	130.1	5.39	6.83	1477.4
400	5.07	34.04	26.93	117.7	6.64	11.18	1476.6
500	4.73	34.12	27.04	108.3	7.77	16.27	1476.9
600	4.31	34.19	27.14	99.4	8.81	22.00	1476.9
800	3.88	34.32	27.28	86.5	10.68	35.01	1478.5
1000	3.46	34.40	27.39	77.3	12.31	49.72	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1116.3	3.28	34.45	27.44	72.7	13.19	58.98	1481.4

WIND MIXED LAYER DEPTH = 69.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-54
STN:HC38
90/1/24
0
3
6
9
12
15
TEMPERATURE C

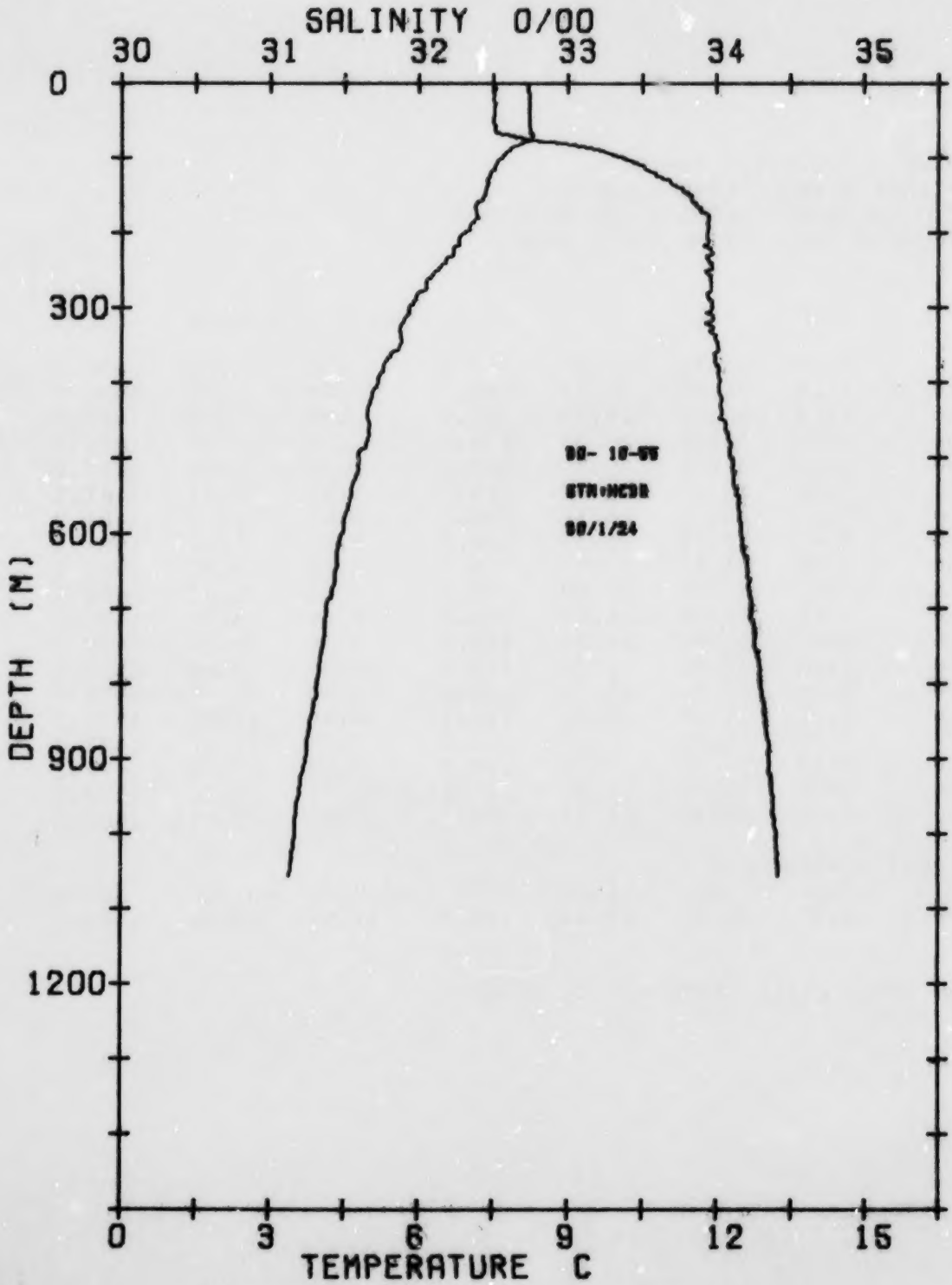
CRUISE : C.O.D.E. 80-10.
STATION: WC38 CONS #054
LAT N 49 18.5 LONG W 128 36.5
DATE 80/01/24 TIME (PST) 0623

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.17	32.52	25.33	265.5	.00	.00	1480.3
10	8.18	32.52	25.32	266.1	.27	.01	1480.6
20	8.17	32.52	25.33	265.9	.53	.05	1480.7
30	8.17	32.52	25.33	266.2	.80	.12	1480.9
50	8.19	32.51	25.32	267.4	1.33	.33	1481.2
75	7.82	33.15	25.87	215.0	1.97	.73	1481.1
100	7.58	33.50	26.18	186.0	2.47	1.16	1481.0
125	7.40	33.73	26.39	166.9	2.90	1.65	1481.0
150	7.24	33.87	26.52	154.7	3.30	2.20	1481.0
175	7.02	33.93	26.59	147.9	3.68	2.82	1480.6
200	6.71	33.94	26.65	143.0	4.04	3.50	1479.8
225	6.46	33.96	26.70	138.6	4.39	4.24	1479.2
250	6.26	33.96	26.72	136.3	4.74	5.05	1478.8
300	5.94	33.99	26.79	130.6	5.40	6.87	1478.4
400	5.21	34.06	26.93	118.1	6.65	11.23	1477.2
500	4.75	34.12	27.03	108.7	7.78	16.34	1477.0
600	4.39	34.19	27.13	100.2	8.83	22.09	1477.2
800	3.92	34.32	27.26	87.1	10.71	35.23	1478.7
1000	3.46	34.38	27.37	79.2	12.36	49.97	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1096.3	3.30	34.44	27.44	73.3	13.08	57.56	1481.1

WIND MIXED LAYER DEPTH = 68.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

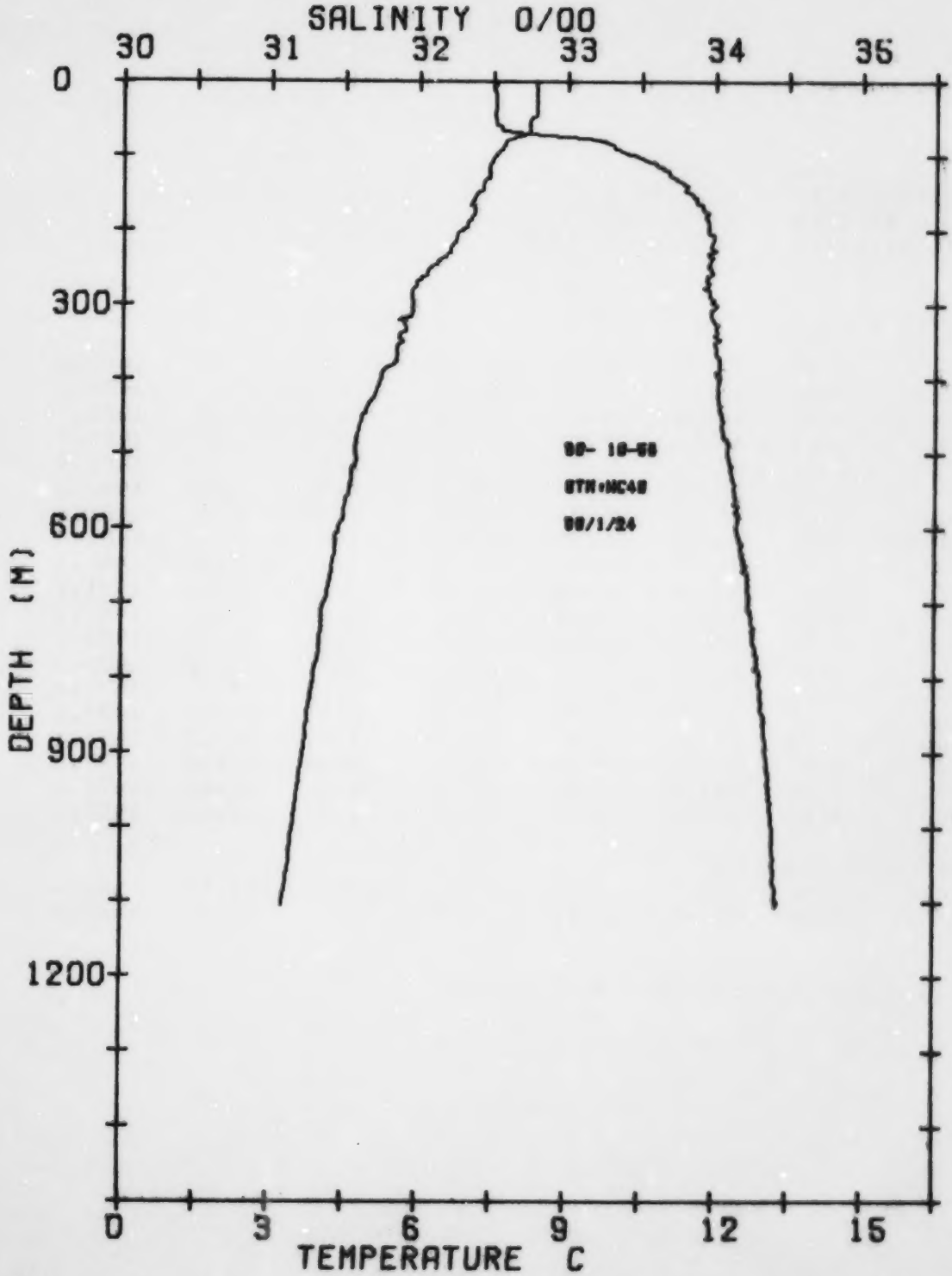
CRUISE : C.O.D.E. 80-10.
STATION: WC39 CONS #055
LAT N 49 25.0 LONG W 128 44.5
DATE 80/01/24 TIME (PST) 0845

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.20	32.51	25.31	267.0	.00	.00	1480.5
10	8.20	32.51	25.32	266.7	.27	.01	1480.6
20	8.21	32.50	25.31	267.5	.53	.05	1480.8
30	8.21	32.51	25.31	267.4	.80	.12	1481.0
50	8.22	32.50	25.30	268.5	1.34	.33	1481.3
75	8.26	32.74	25.49	251.5	2.00	.75	1482.2
100	7.68	33.38	26.08	196.0	2.54	1.22	1481.2
125	7.45	33.63	26.30	175.0	3.00	1.73	1481.0
150	7.35	33.83	26.47	159.0	3.41	2.30	1481.3
175	7.16	33.95	26.59	147.9	3.80	2.93	1481.1
200	6.94	33.94	26.62	145.7	4.17	3.62	1480.7
225	6.71	33.97	26.68	140.7	4.53	4.38	1480.2
250	6.38	33.94	26.69	139.7	4.88	5.22	1479.3
300	5.83	33.97	26.79	130.6	5.55	7.07	1477.9
400	5.18	34.02	26.90	120.3	6.81	11.47	1477.0
500	4.79	34.11	27.02	110.2	7.97	16.67	1477.1
600	4.47	34.17	27.11	102.5	9.04	22.53	1477.5
800	3.95	34.30	27.26	89.0	10.94	35.80	1478.8
1000	3.50	34.41	27.39	77.4	12.59	50.66	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1055.6	3.40	34.42	27.41	75.8	13.02	55.06	1480.9

WIND MIXED LAYER DEPTH = 76.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

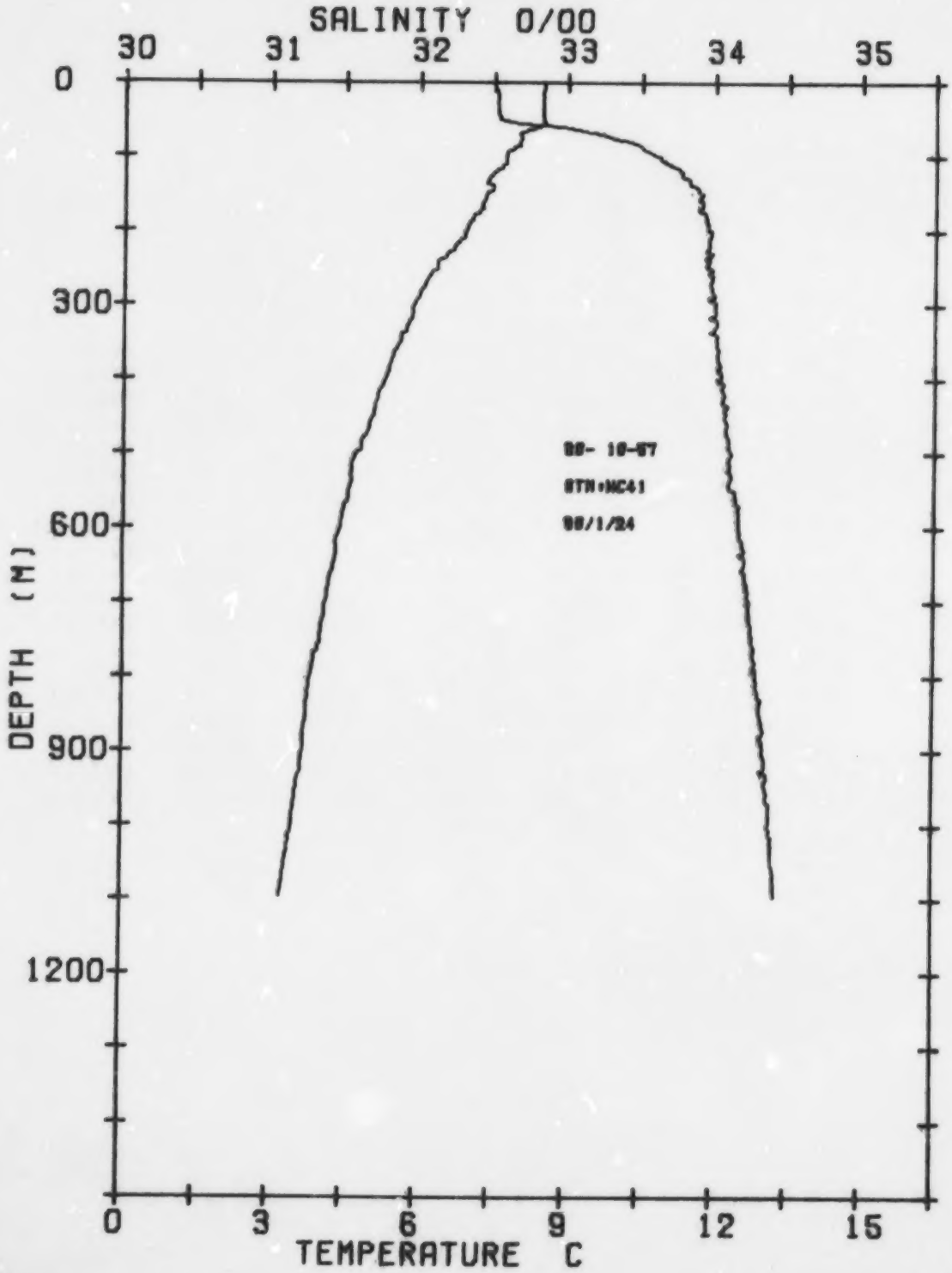
CRUISE : C.O.D.E. 80-10.
STATION: WC40 CONS #056
LAT N 49 31.5 LONG W 128 52.5
DATE 80/01/24 TIME (PST) 1059

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.37	32.52	25.30	268.2	.00	.00	1481.1
10	8.37	32.51	25.29	269.0	.27	.01	1481.3
20	8.37	32.52	25.30	268.8	.54	.05	1481.4
30	8.38	32.52	25.30	268.7	.81	.12	1481.6
50	8.28	32.52	25.31	268.1	1.34	.34	1481.6
75	7.96	33.10	25.81	220.8	1.99	.74	1481.5
100	7.56	33.47	26.16	188.2	2.49	1.18	1480.9
125	7.42	33.70	26.36	169.0	2.94	1.67	1481.0
150	7.21	33.84	26.50	156.4	3.34	2.23	1480.8
175	7.13	33.95	26.59	147.8	3.72	2.85	1481.0
200	6.87	33.95	26.64	144.1	4.09	3.53	1480.4
225	6.64	34.00	26.70	138.3	4.44	4.28	1480.0
250	6.25	33.97	26.73	135.3	4.78	5.10	1478.8
300	5.87	34.01	26.81	128.5	5.45	6.92	1478.1
400	5.25	34.03	26.90	120.6	6.70	11.31	1477.3
500	4.71	34.09	27.01	110.6	7.86	16.50	1476.8
600	4.39	34.16	27.10	102.9	8.92	22.35	1477.2
800	3.90	34.31	27.27	87.7	10.82	35.55	1478.6
1000	3.49	34.41	27.39	77.2	12.46	50.33	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1105.5	3.27	34.43	27.43	73.7	13.26	58.74	1481.1

WIND MIXED LAYER DEPTH = 65.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
88- 10-07
STN:HC41
88/1/24
0
3
6
9
12
15
TEMPERATURE C

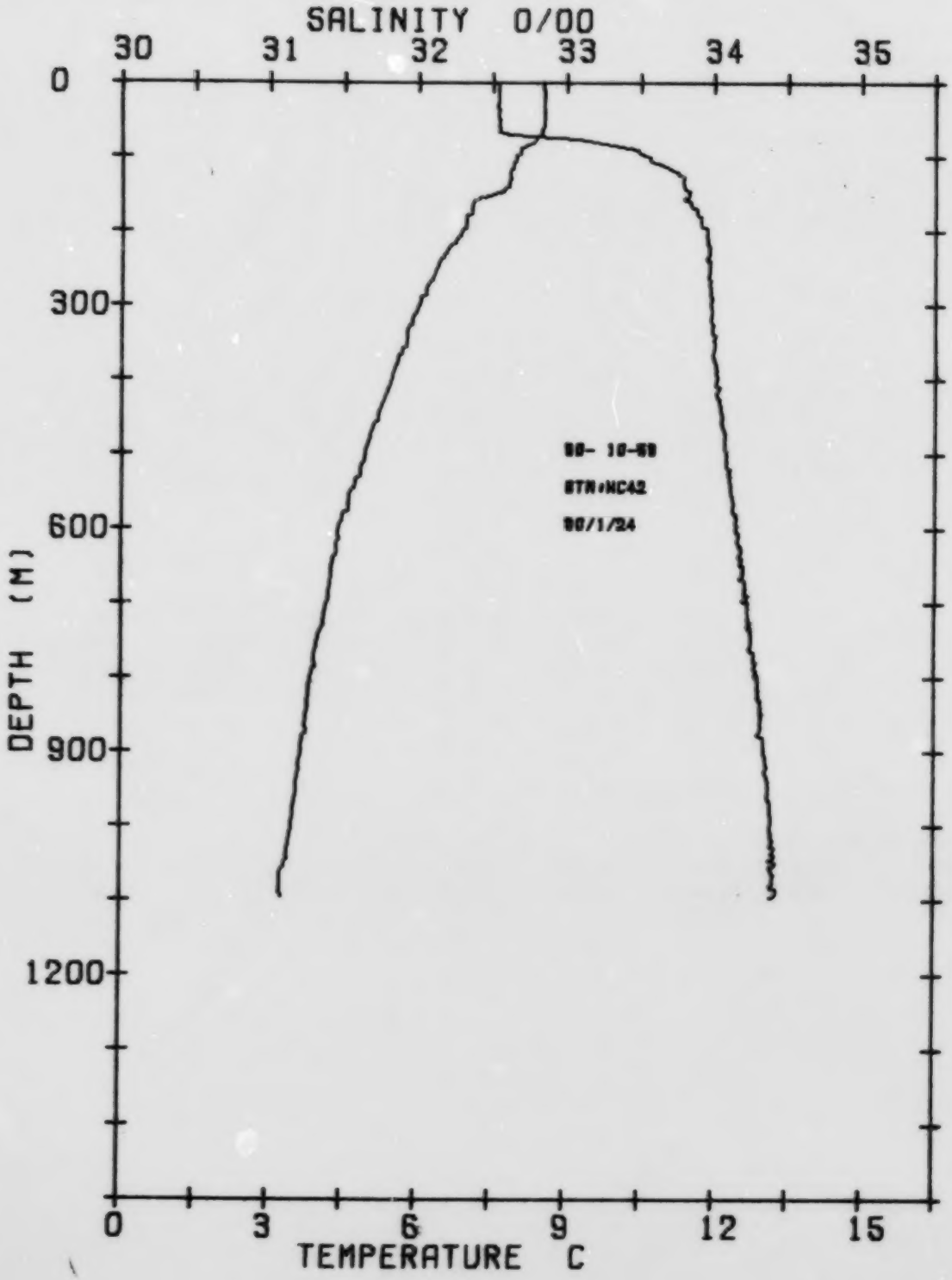
CRUISE : C.O.D.E. 80-10.
STATION: #C41 CONS #057
LAT N 49 36.5 LONG W 128 44.5
DATE 80/01/24 TIME (PST) 1407

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.53	32.50	25.26	271.8	.00	.00	1481.7
10	8.51	32.52	25.27	270.7	.27	.01	1481.8
20	8.49	32.53	25.29	269.3	.54	.05	1481.9
30	8.49	32.53	25.29	269.3	.81	.12	1482.1
50	8.49	32.54	25.29	269.6	1.35	.34	1482.4
75	8.07	33.31	25.96	206.2	1.93	.70	1482.2
100	7.75	33.62	26.25	179.2	2.41	1.11	1481.8
125	7.48	33.77	26.41	164.8	2.84	1.60	1481.4
150	7.38	33.91	26.53	153.6	3.24	2.14	1481.5
175	7.21	33.93	26.57	150.1	3.62	2.76	1481.3
200	6.95	33.97	26.64	144.2	3.99	3.45	1480.7
225	6.68	33.94	26.65	142.8	4.35	4.21	1480.1
250	6.36	33.97	26.72	136.9	4.69	5.04	1479.2
300	5.92	34.00	26.80	129.5	5.36	6.87	1478.3
400	5.34	34.02	26.89	122.1	6.62	11.26	1477.6
500	4.75	34.12	27.03	109.0	7.77	16.44	1477.0
600	4.43	34.17	27.11	102.2	8.83	22.28	1477.4
800	3.83	34.29	27.27	88.2	10.73	35.53	1478.3
1000	3.47	34.38	27.37	78.8	12.39	50.43	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1095.5	3.24	34.43	27.44	73.2	13.11	57.99	1480.8

WIND MIXED LAYER DEPTH = 58.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:NC42
90/1/24
0
3
6
9
12
15
TEMPERATURE C

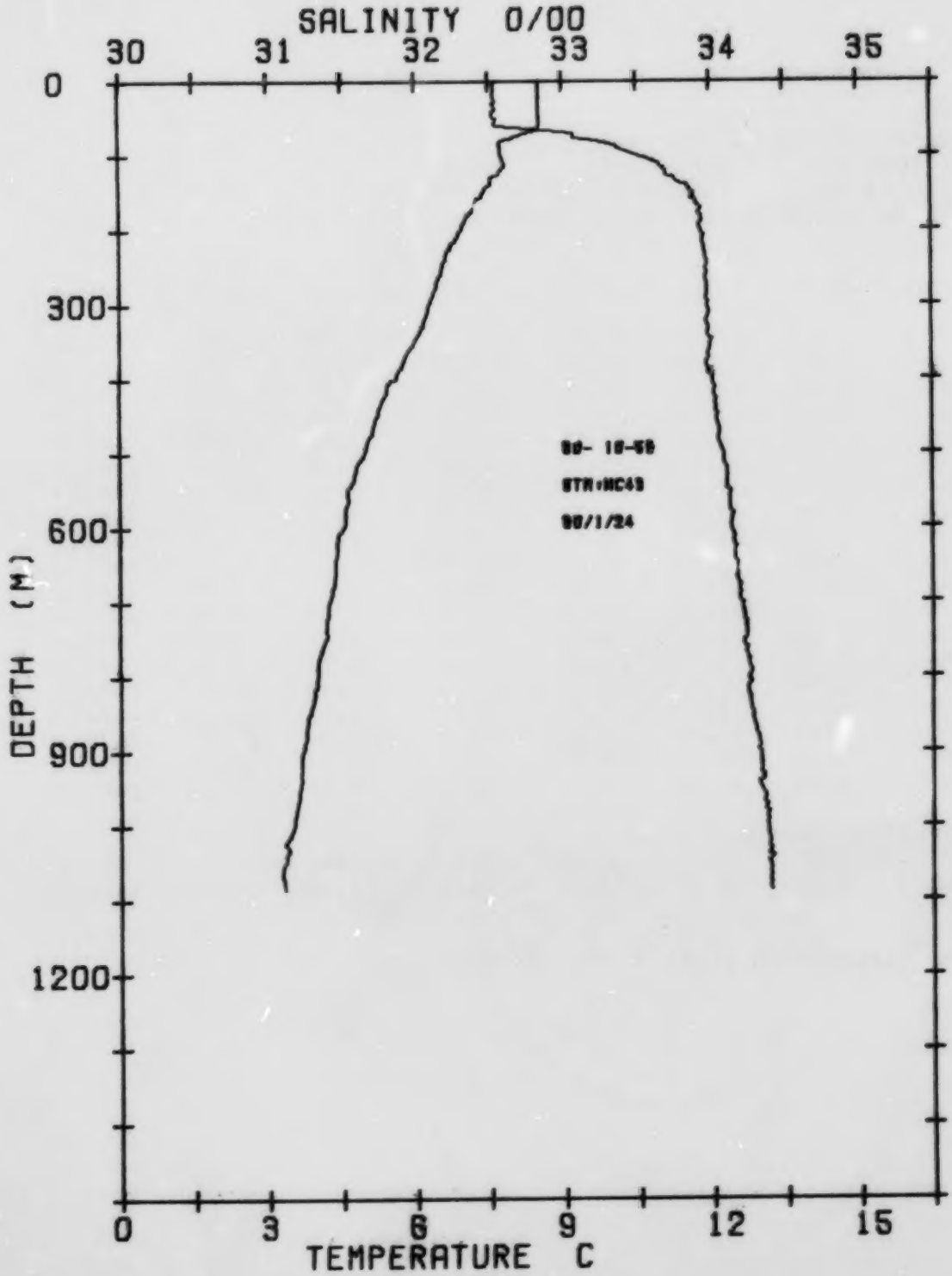
CRUISE : C.O.D.E. 80-10.
STATION: WC42 CONS #058
LAT N 49 42.0 LONG W 128 36.5
DATE 80/01/24 TIME (PST) 1650

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.53	32.54	25.29	268.9	.00	.00	1481.8
10	8.54	32.54	25.29	269.7	.27	.01	1481.9
20	8.54	32.54	25.29	269.5	.54	.05	1482.1
30	8.55	32.53	25.28	270.3	.81	.12	1482.3
50	8.54	32.55	25.29	269.4	1.35	.34	1482.6
75	8.41	33.08	25.73	228.1	2.01	.75	1483.2
100	8.00	33.56	26.17	187.2	2.52	1.19	1482.7
125	7.86	33.78	26.36	169.0	2.96	1.69	1482.8
150	7.57	33.83	26.44	162.0	3.38	2.27	1482.2
175	7.07	33.89	26.56	151.1	3.77	2.90	1480.7
200	6.91	33.95	26.63	145.1	4.14	3.59	1480.6
225	6.60	33.97	26.69	139.4	4.50	4.35	1479.8
250	6.39	33.97	26.72	137.1	4.84	5.17	1479.3
300	6.03	33.98	26.77	132.6	5.52	7.02	1478.8
400	5.46	34.02	26.87	123.6	6.80	11.50	1478.2
500	4.94	34.09	26.99	113.2	7.98	16.82	1477.7
600	4.40	34.15	27.10	103.3	9.07	22.77	1477.2
800	3.85	34.30	27.27	88.2	10.98	36.15	1478.4
1000	3.49	34.39	27.38	78.6	12.64	51.03	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1095.1	3.26	34.40	27.40	76.3	13.36	58.59	1480.9

WIND MIXED LAYER DEPTH = 69.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

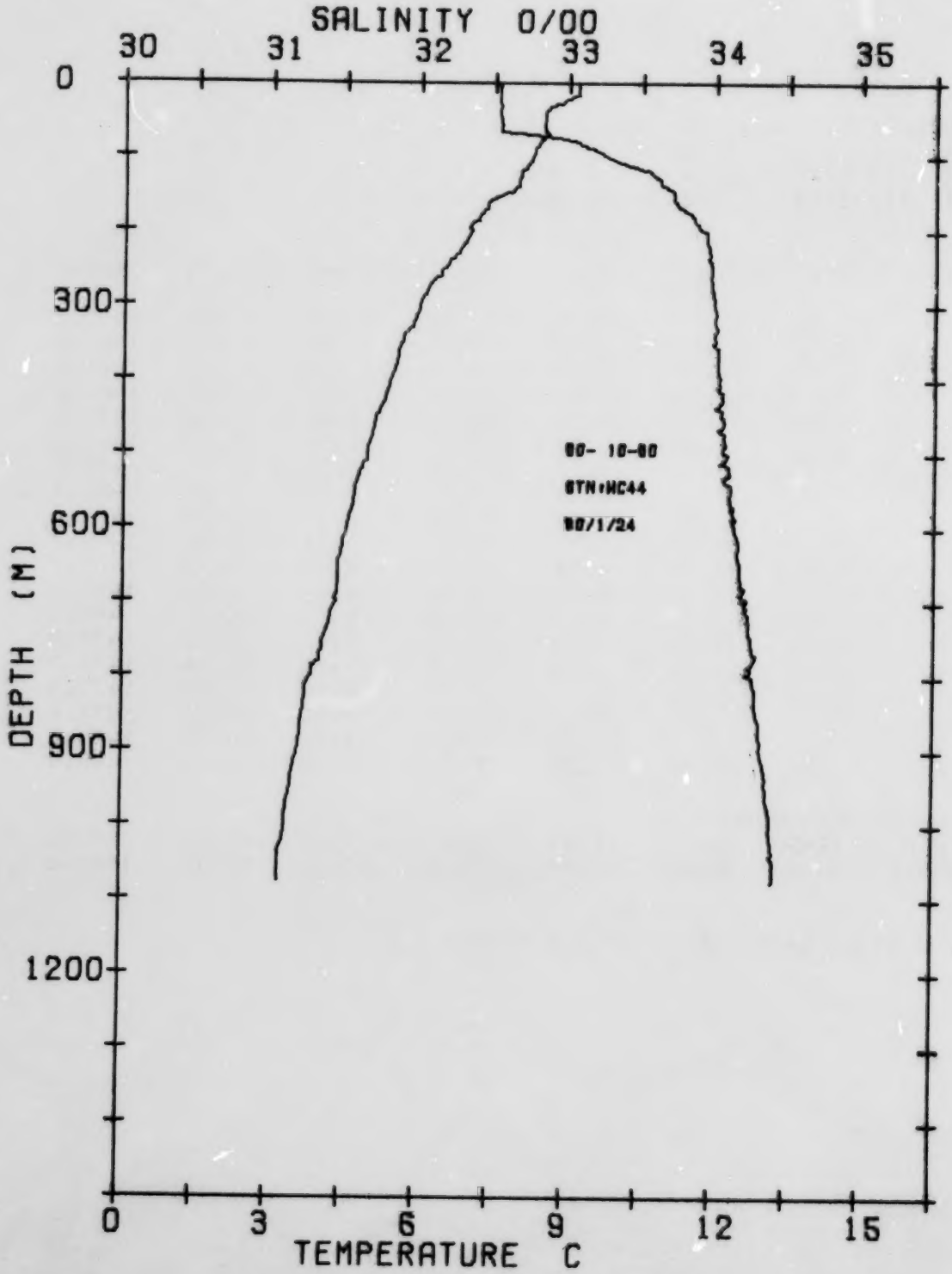
CRUISE : C.O.D.E. 80-10.
STATION: WC43 CONS 4059
LAT N 49 47.0 LONG W 128 28.5
DATE 80/01/24 TIME (PST) 1910

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.51	32.54	25.30	268.5	.00	.00	1481.7
10	8.51	32.54	25.29	268.8	.27	.01	1481.8
20	8.52	32.54	25.29	269.3	.54	.05	1482.0
30	8.52	32.54	25.29	269.8	.81	.12	1482.2
50	8.54	32.55	25.30	269.3	1.35	.34	1482.6
75	8.03	33.06	25.78	223.3	1.98	.73	1481.8
100	7.73	33.51	26.17	187.3	2.48	1.16	1481.6
125	7.71	33.70	26.32	172.9	2.92	1.66	1482.1
150	7.40	33.89	26.51	155.5	3.33	2.22	1481.6
175	7.17	33.92	26.57	150.3	3.71	2.84	1481.2
200	6.96	33.94	26.61	146.3	4.08	3.53	1480.7
225	6.71	33.96	26.67	141.6	4.44	4.29	1480.2
250	6.56	33.97	26.69	139.3	4.79	5.12	1480.0
300	6.31	33.96	26.73	136.1	5.47	7.02	1479.9
400	5.62	34.01	26.85	126.2	6.80	11.64	1478.7
500	4.97	34.08	26.98	114.1	8.00	17.02	1477.8
600	4.55	34.14	27.07	106.1	9.09	23.01	1477.8
800	4.03	34.25	27.21	93.6	11.06	36.80	1479.1
1000	3.53	34.38	27.37	79.8	12.79	52.29	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1085.1	3.32	34.40	27.40	76.3	13.45	59.16	1481.0

*IND MIXED LAYER DEPTH = 64.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-80
STN:HC44
80/1/24
0
3
6
9
12
15
TEMPERATURE C

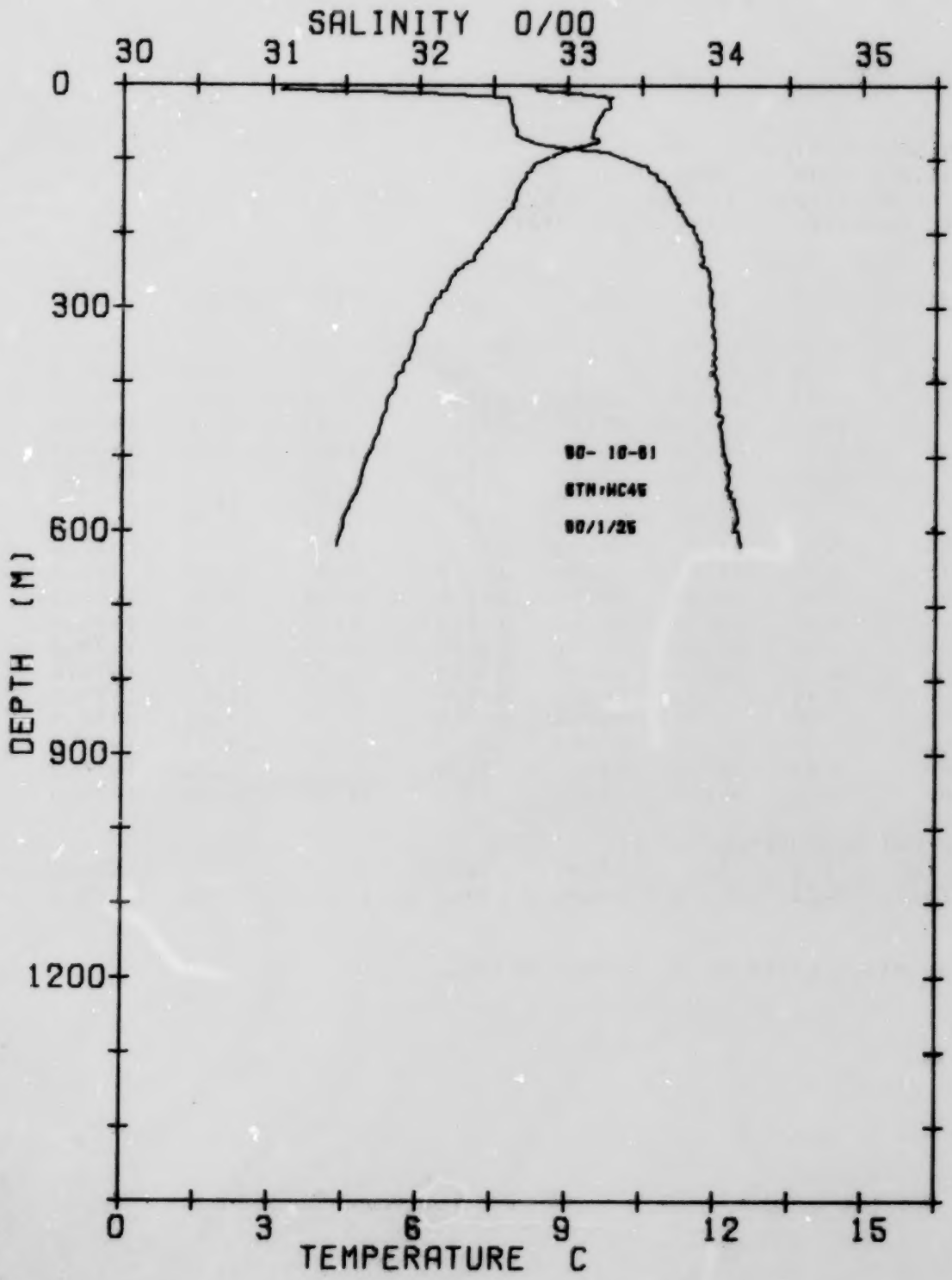
CRUISE : C.O.D.E. 80-10.
STATION: WC44 CONS #060
LAT N 49 51.5 LONG W 128 20.5
DATE 80/01/24 TIME (PST) 2121

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.19	32.53	25.18	279.6	.00	.00	1484.2
10	9.19	32.53	25.18	279.9	.28	.01	1484.4
20	9.03	32.53	25.20	277.7	.56	.06	1484.0
30	8.69	32.54	25.27	271.7	.83	.12	1482.8
50	8.51	32.54	25.30	269.4	1.37	.34	1482.5
75	8.50	32.96	25.64	237.0	2.03	.75	1483.4
100	8.28	33.26	25.89	213.7	2.59	1.24	1483.4
125	8.03	33.59	26.19	186.1	3.09	1.80	1483.2
150	7.72	33.72	26.33	172.5	3.54	2.42	1482.6
175	7.26	33.83	26.48	158.4	3.95	3.09	1481.4
200	7.04	33.93	26.60	147.8	4.34	3.81	1481.1
225	6.82	33.96	26.65	143.5	4.70	4.58	1480.6
250	6.50	33.98	26.71	137.7	5.05	5.42	1479.8
300	6.00	34.00	26.79	130.6	5.73	7.26	1478.6
400	5.44	34.03	26.88	122.4	6.99	11.69	1478.0
500	4.95	34.08	26.98	113.8	8.18	17.01	1477.7
600	4.55	34.14	27.07	106.1	9.28	23.07	1477.8
800	3.83	34.27	27.25	90.0	11.24	36.71	1478.2
1000	3.32	34.40	27.40	76.1	12.89	51.52	1479.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1075.2	3.21	34.41	27.42	74.7	13.45	57.34	1480.3

WIND MIXED LAYER DEPTH = 65.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 10-01
STN:HC45
90/1/25
0
3
6
9
12
15
TEMPERATURE C

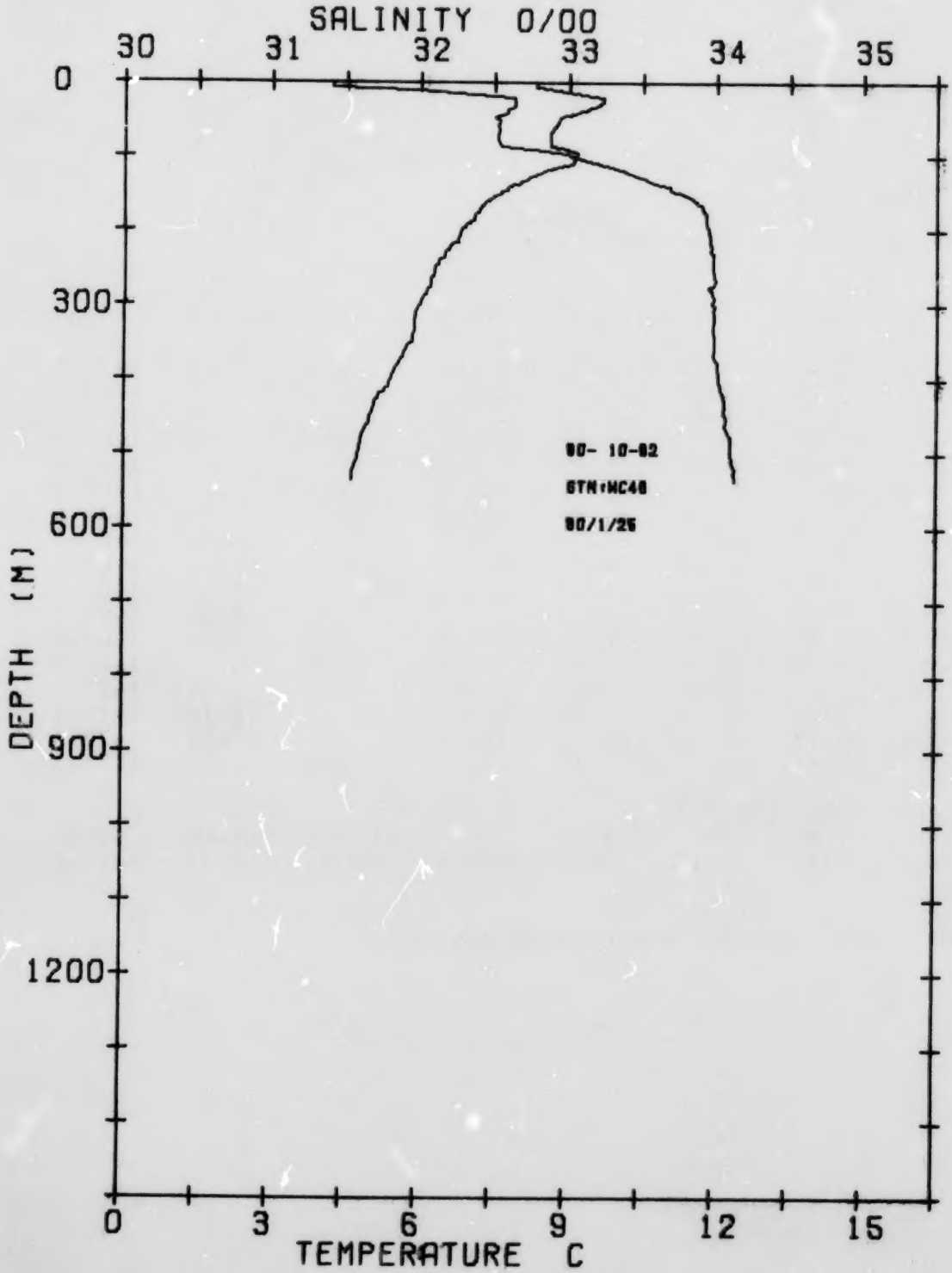
CRUISE : C.O.D.E. 80-10.
STATION: WC45 CONS #061
LAT N 49 57.0 LONG W 128 12.5
DATE 80/01/25 TIME (PST) 0116

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.35	31.10	24.19	374.0	.00	.00	1479.2
10	9.08	31.98	24.77	319.1	.36	.02	1483.3
20	9.82	32.61	25.14	283.6	.65	.06	1487.0
30	9.85	32.62	25.14	283.5	.94	.13	1487.3
50	9.61	32.63	25.19	279.7	1.50	.36	1486.7
75	9.62	32.76	25.29	270.3	2.19	.79	1487.3
100	8.57	33.39	25.95	207.9	2.78	1.30	1484.6
125	8.15	33.61	26.19	186.0	3.26	1.84	1483.7
150	7.96	33.72	26.30	175.4	3.71	2.46	1483.5
175	7.76	33.78	26.38	168.4	4.14	3.16	1483.3
200	7.44	33.87	26.49	158.1	4.55	3.93	1482.5
225	7.19	33.90	26.55	152.3	4.94	4.75	1482.0
250	6.79	33.96	26.65	143.3	5.31	5.63	1480.9
300	6.25	33.99	26.74	135.0	6.01	7.54	1479.6
400	5.55	34.02	26.86	125.1	7.31	12.10	1478.5
500	4.97	34.08	26.97	114.7	8.52	17.51	1477.8
600	4.43	34.16	27.10	103.0	9.61	23.50	1477.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
620.4	4.36	34.18	27.12	100.9	9.82	24.77	1477.4

WIND MIXED LAYER DEPTH = 68.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 10-82
STN:WC48
80/1/26
0
3
6
9
12
15
TEMPERATURE C

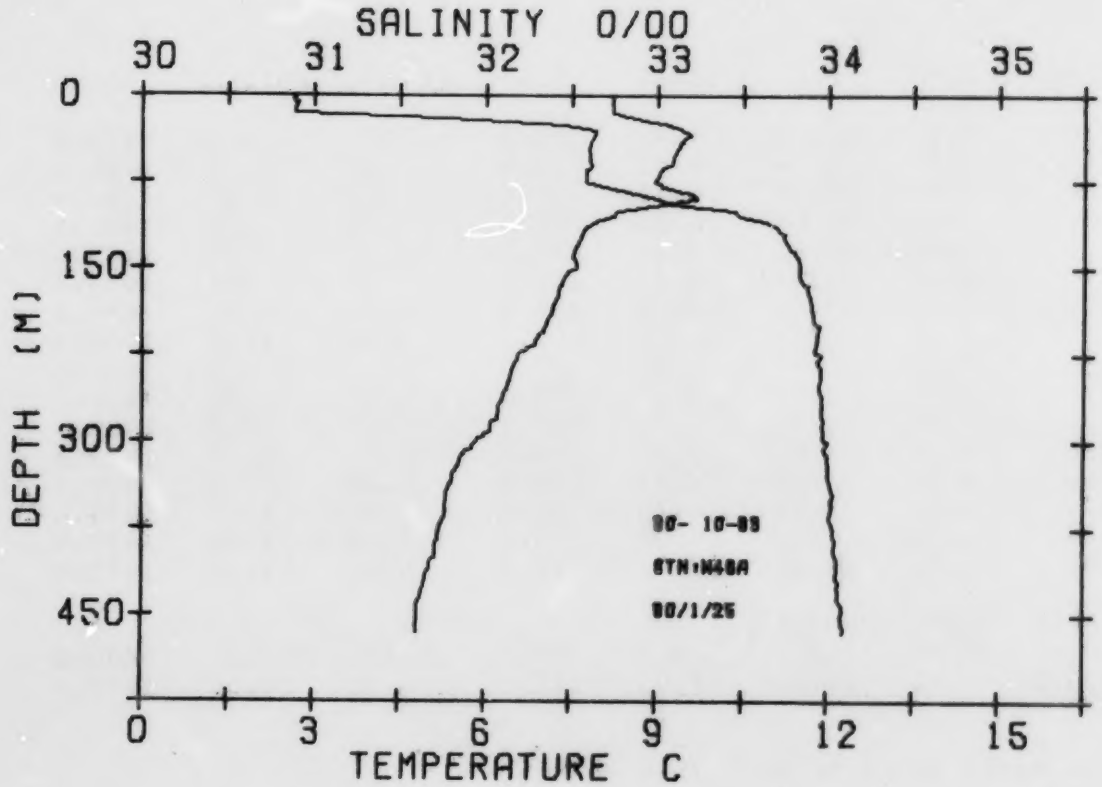
CRUISE : C.O.D.E. 80-10.
STATION: WC46 CONS #002
LAT N 50 01.5 LONG W 128 05.5
DATE 80/01/25 TIME (PST) 0301

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.33	31.41	24.43	350.5	.00	.00	1479.5
10	8.73	31.96	24.80	315.4	.34	.02	1481.9
20	9.67	32.61	25.17	281.0	.64	.06	1486.4
30	9.62	32.64	25.20	278.3	.92	.13	1486.5
50	8.82	32.53	25.24	274.7	1.47	.35	1483.6
75	8.62	32.52	25.26	272.9	2.16	.78	1483.3
100	9.15	33.02	25.57	244.3	2.81	1.35	1486.3
125	8.35	33.45	26.03	200.9	3.37	1.98	1484.3
150	7.62	33.77	26.38	167.5	3.83	2.60	1482.3
175	7.18	33.93	26.57	150.0	4.22	3.24	1481.2
200	6.86	33.95	26.64	143.8	4.59	3.93	1480.4
225	6.57	33.96	26.68	140.0	4.94	4.68	1479.7
250	6.31	33.98	26.73	135.2	5.28	5.50	1479.1
300	6.00	33.99	26.78	131.5	5.95	7.34	1478.6
400	5.40	34.02	26.87	123.2	7.24	11.82	1477.9
500	4.75	34.10	27.02	110.2	8.39	17.01	1477.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
535.5	4.61	34.13	27.05	107.2	8.78	19.00	1477.0

WIND MIXED LAYER DEPTH = 75.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-83
STN:N48A
80/1/25
0
3
6
9
12
15
TEMPERATURE C

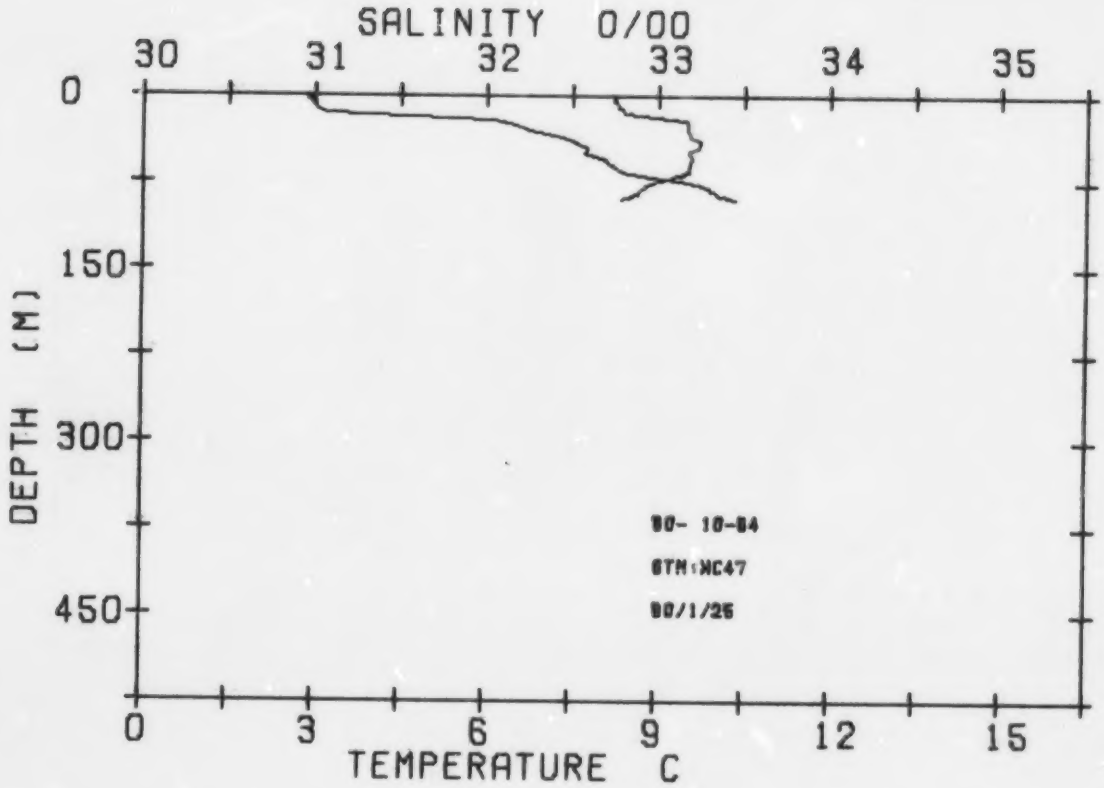
CRUISE : C.O.D.E. 80-10.
STATION: N46A CONS #003
LAT N 50 03.6 LONG W 128 00.8
DATE 80/01/25 TIME (PST) 0359

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.20	30.89	24.05	387.3	.00	.00	1478.4
10	8.22	30.89	24.04	387.9	.39	.02	1478.6
20	8.61	31.76	24.67	328.4	.76	.07	1481.4
30	9.43	32.63	25.22	276.0	1.05	.15	1485.7
50	9.33	32.61	25.22	276.8	1.61	.37	1485.7
75	8.97	32.58	25.26	273.5	2.30	.80	1484.7
100	8.41	33.43	26.01	202.7	2.93	1.35	1484.1
125	7.67	33.75	26.36	169.0	3.38	1.86	1482.0
150	7.59	33.84	26.45	161.6	3.79	2.42	1482.3
175	7.28	33.90	26.54	153.4	4.18	3.06	1481.6
200	7.07	33.95	26.61	146.8	4.56	3.76	1481.2
225	6.60	33.96	26.68	140.5	4.92	4.54	1479.7
250	6.42	33.95	26.70	138.9	5.27	5.37	1479.5
300	5.86	34.00	26.80	129.3	5.95	7.22	1478.1
400	5.13	34.06	26.94	117.1	7.17	11.48	1476.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
465.5	4.82	34.09	27.00	111.4	7.91	14.70	1476.7

WIND MIXED LAYER DEPTH = 78.6 METRES

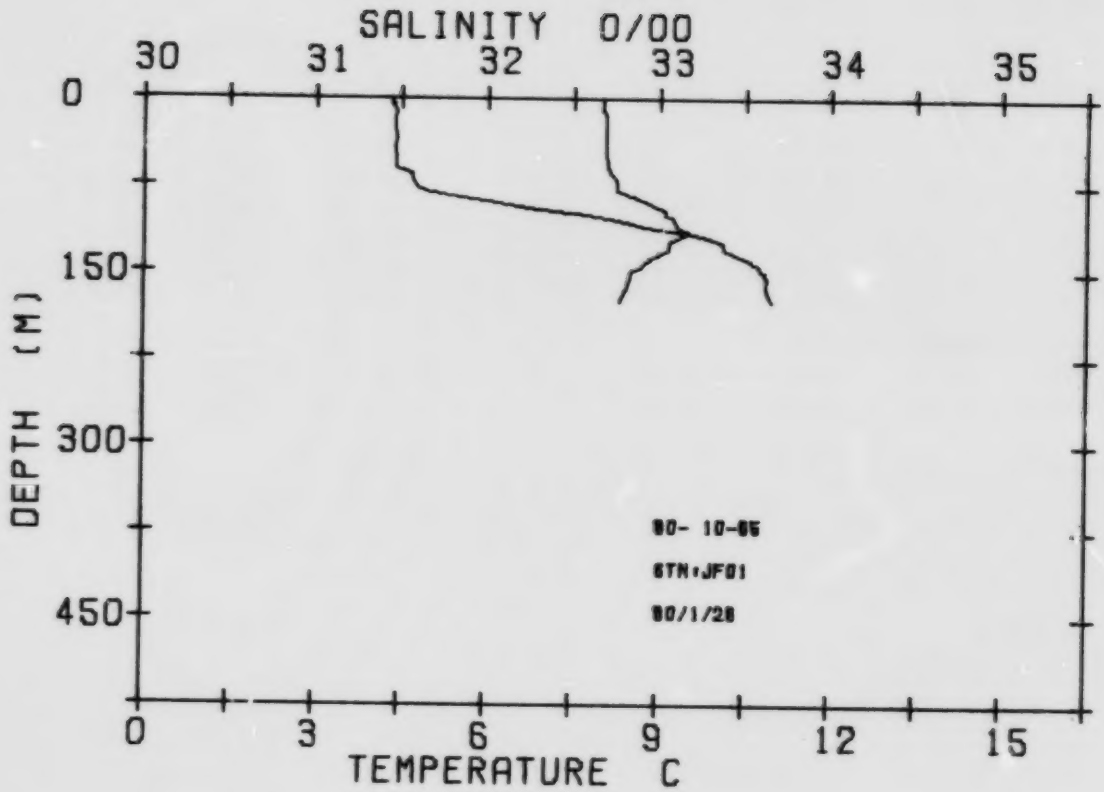

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-04
STN:MC47
80/1/26
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: #C47 CONS #084
LAT N 50 06.0 LONG W 127 58.0
DATE 80/01/25 TIME (PST) 0441

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.23	30.98	24.12	380.8	.00	.00	1478.6
10	8.30	31.01	24.13	379.8	.38	.02	1479.1
20	9.43	32.00	24.73	323.1	.74	.07	1484.8
30	9.50	32.25	24.91	305.6	1.06	.15	1485.5
50	9.53	32.57	25.16	282.7	1.64	.38	1486.4
75	8.93	33.18	25.73	228.5	2.30	.79	1485.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	8.36	33.45	26.03	200.4	2.62	1.06	1483.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-05
STN:JF01
80/1/28
0
3
6
9
12
15
TEMPERATURE C

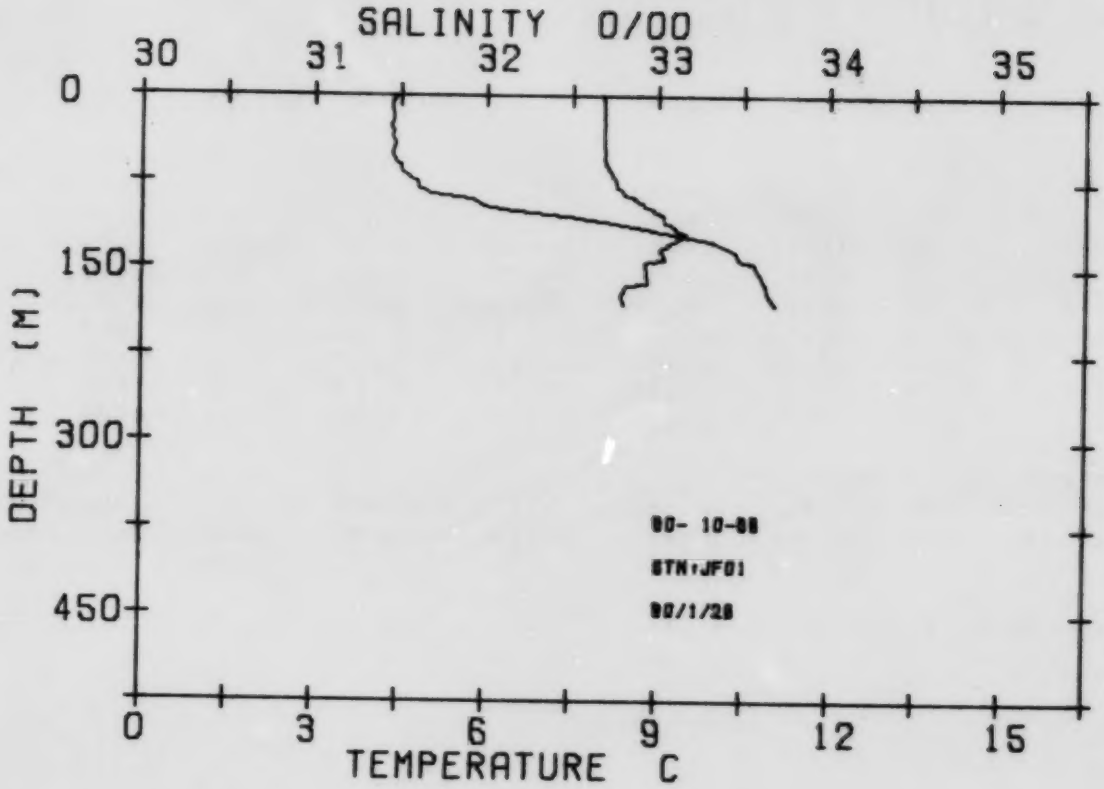
CRUISE : C.O.D.E. 80-10.
STATION: JF01 CONS #065
LAT N 48 30.5 LONG W 124 46.5
DATE 80/01/26 TIME (PST) 1928

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.99	31.44	24.51	343.2	.00	.00	1478.3
10	7.99	31.47	24.53	341.4	.34	.02	1478.4
20	8.03	31.46	24.52	342.8	.69	.07	1478.8
30	8.04	31.47	24.52	342.3	1.03	.15	1479.0
50	8.05	31.47	24.52	343.0	1.71	.43	1479.3
75	8.24	31.59	24.59	336.5	2.56	.96	1480.6
100	9.13	32.57	25.22	277.4	3.35	1.64	1485.7
125	9.20	33.36	25.83	219.9	3.97	2.34	1487.4
150	8.54	33.61	26.13	192.0	4.49	3.05	1485.6
175	8.31	33.66	26.20	185.4	4.96	3.81	1485.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.1	8.31	33.66	26.20	185.4	4.96	3.82	1485.2

WIND MIXED LAYER DEPTH = 72.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-08
STN:JF01
90/1/28
0
3
6
9
12
15
TEMPERATURE C

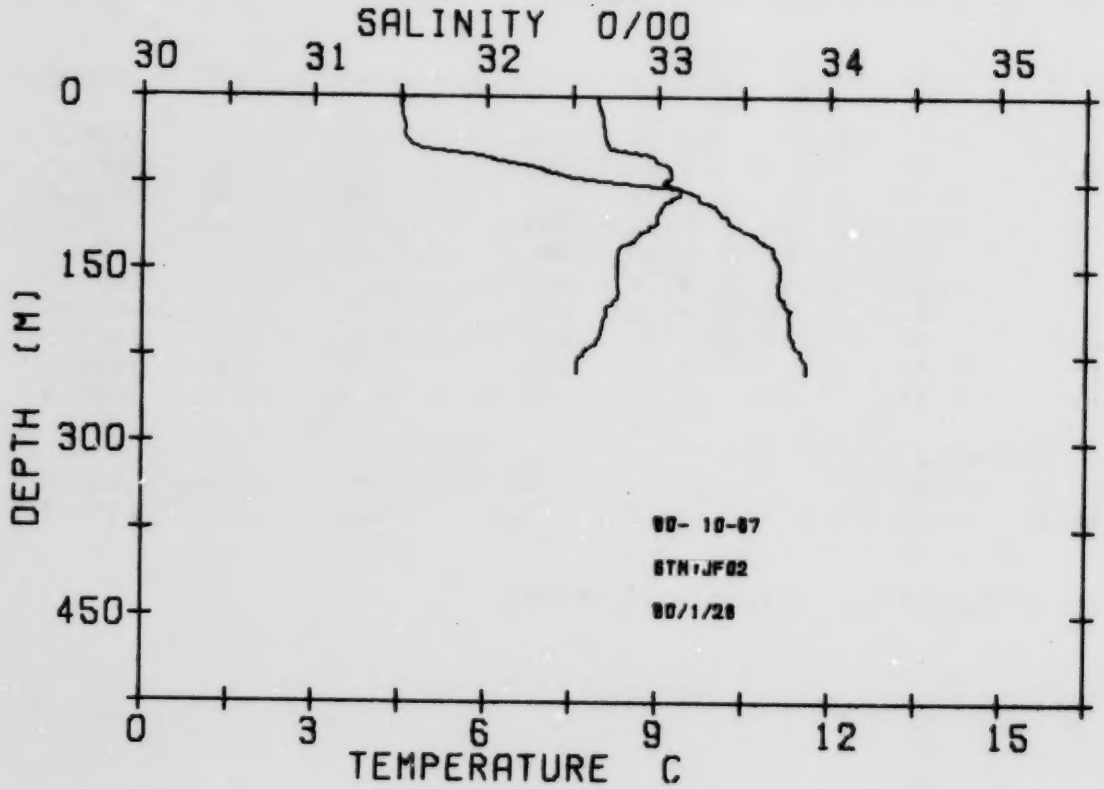
CRUISE : C.O.D.E. 80-10.
STATION: JF01 CONS #066
LAT N 48 30.5 LONG W 124 46.5
DATE 80/01/26 TIME (PST) 1936

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.03	31.46	24.52	342.6	.00	.00	1478.4
10	8.05	31.45	24.51	343.6	.34	.02	1478.7
20	8.05	31.46	24.52	343.1	.69	.07	1478.8
30	8.04	31.46	24.52	343.1	1.03	.15	1479.0
50	8.07	31.45	24.50	344.7	1.72	.43	1479.4
75	8.26	31.60	24.59	336.5	2.57	.96	1480.7
100	8.94	32.16	24.93	304.7	3.38	1.67	1484.4
125	9.34	33.30	25.75	227.2	4.04	2.41	1487.8
150	8.77	33.57	26.06	198.4	4.56	3.13	1486.4
175	8.33	33.66	26.20	185.7	5.05	3.91	1485.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
181.2	8.41	33.69	26.20	185.4	5.16	4.12	1485.7

WIND MIXED LAYER DEPTH = 57.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-07
STN:JF02
80/1/26
0
3
6
9
12
15
TEMPERATURE C

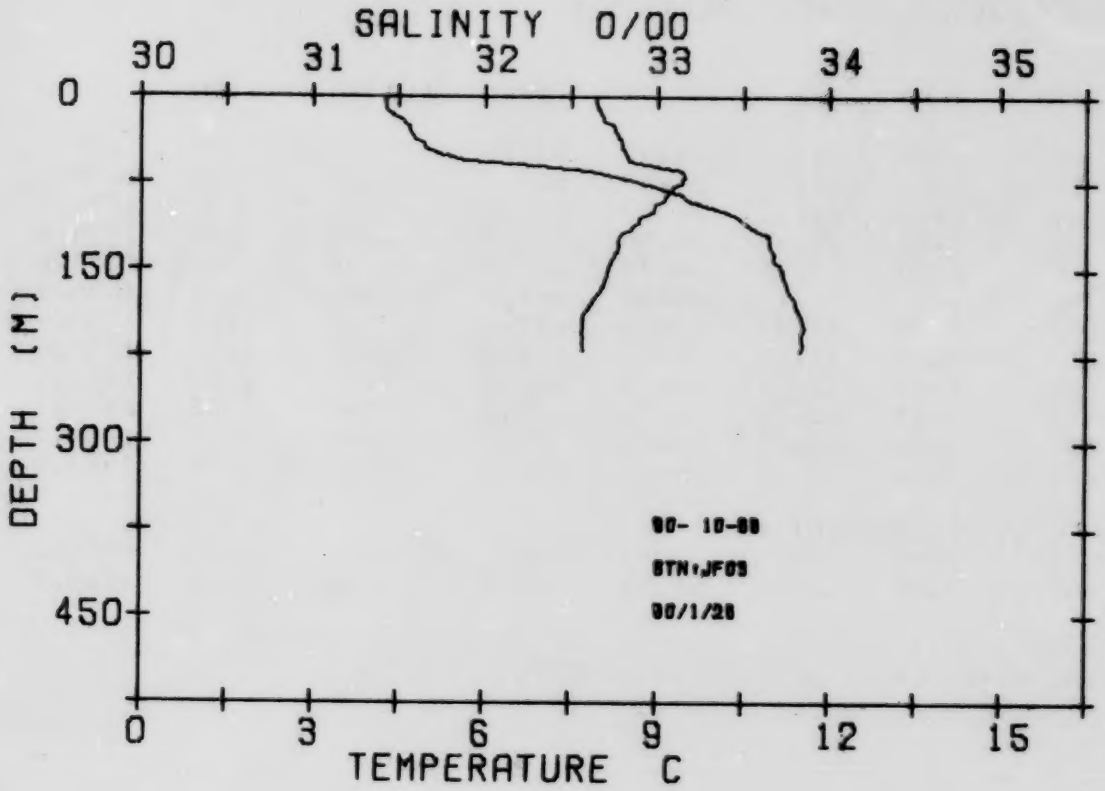
CRUISE : C.O.D.E. 80-10.
STATION: JF02 CONS #067
LAT N 48 28.5 LONG W 124 39.0
DATE 80/01/26 TIME (PST) 2027

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.94	31.51	24.57	337.5	.00	.00	1478.1
10	7.95	31.51	24.57	337.7	.34	.02	1478.4
20	8.02	31.52	24.57	338.2	.68	.07	1478.8
30	8.03	31.52	24.56	338.7	1.01	.15	1479.0
50	8.80	31.96	24.79	317.2	1.68	.42	1482.8
75	9.10	32.77	25.38	261.4	2.42	.88	1485.4
100	9.05	33.36	25.85	217.8	3.00	1.38	1486.4
125	8.60	33.61	26.12	192.8	3.52	1.96	1485.4
150	8.27	33.71	26.24	181.1	3.98	2.59	1484.7
175	8.27	33.72	26.26	180.3	4.43	3.33	1485.1
200	8.04	33.77	26.33	173.6	4.87	4.16	1484.7
225	7.68	33.84	26.44	163.8	5.29	5.06	1483.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
240.0	7.58	33.87	26.47	160.5	5.54	5.62	1483.7

WIND MIXED LAYER DEPTH = 40.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-08
STN:JF03
90/1/26
0
3
6
9
12
15
TEMPERATURE C

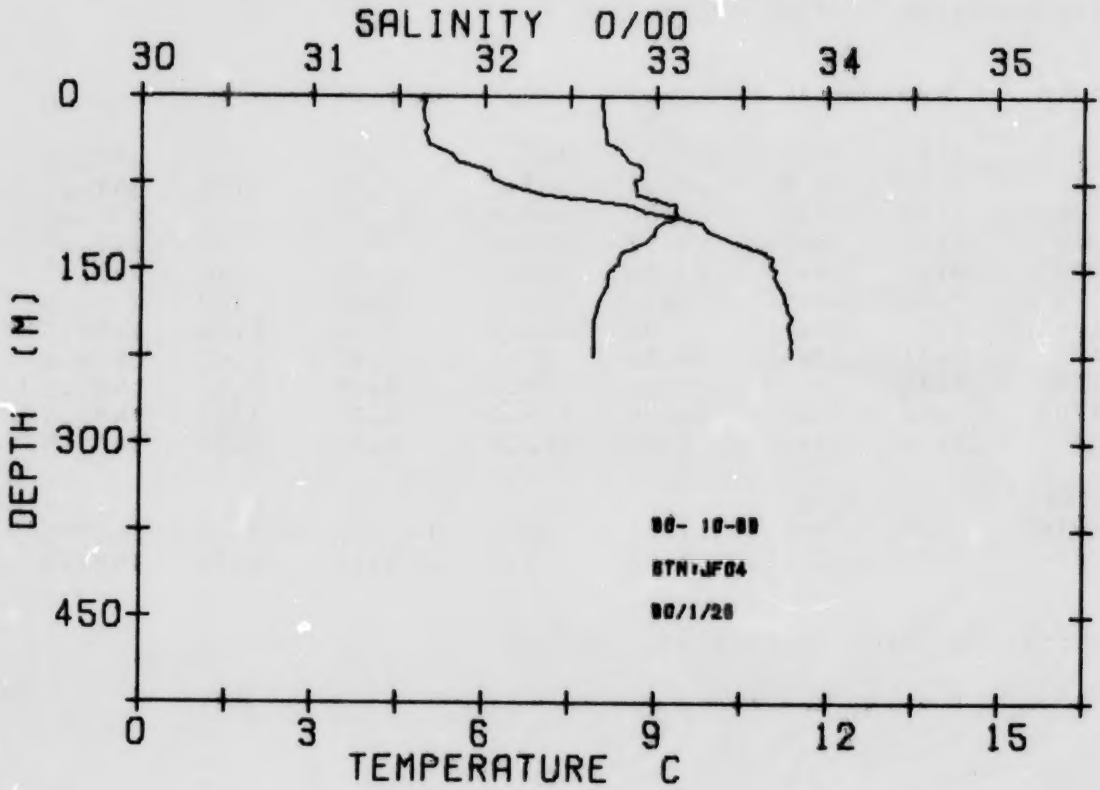
CRUISE : C.O.D.E. 80-10.
STATION: JF03 CONS 4068
LAT N 48 26.0 LONG W 124 31.0
DATE 80/01/26 TIME (PST) 2119

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.92	31.42	24.50	343.9	.00	.00	1478.0
10	7.95	31.43	24.51	343.8	.34	.02	1478.3
20	8.07	31.53	24.56	338.4	.68	.07	1479.0
30	8.25	31.57	24.57	337.6	1.02	.15	1479.9
50	8.42	31.74	24.68	327.4	1.69	.42	1481.1
75	9.41	32.91	25.44	256.3	2.41	.87	1486.8
100	8.93	33.40	25.90	212.9	3.00	1.38	1486.0
125	8.31	33.65	26.19	185.8	3.49	1.93	1484.4
150	8.15	33.73	26.28	177.8	3.95	2.56	1484.3
175	7.92	33.80	26.36	169.8	4.39	3.27	1483.9
200	7.70	33.86	26.45	162.4	4.80	4.04	1483.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
220.3	7.71	33.83	26.43	164.8	5.13	4.74	1483.9

WIND MIXED LAYER DEPTH = 30.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-88
STN:JF04
80/1/28
0
3
6
9
12
15
TEMPERATURE C

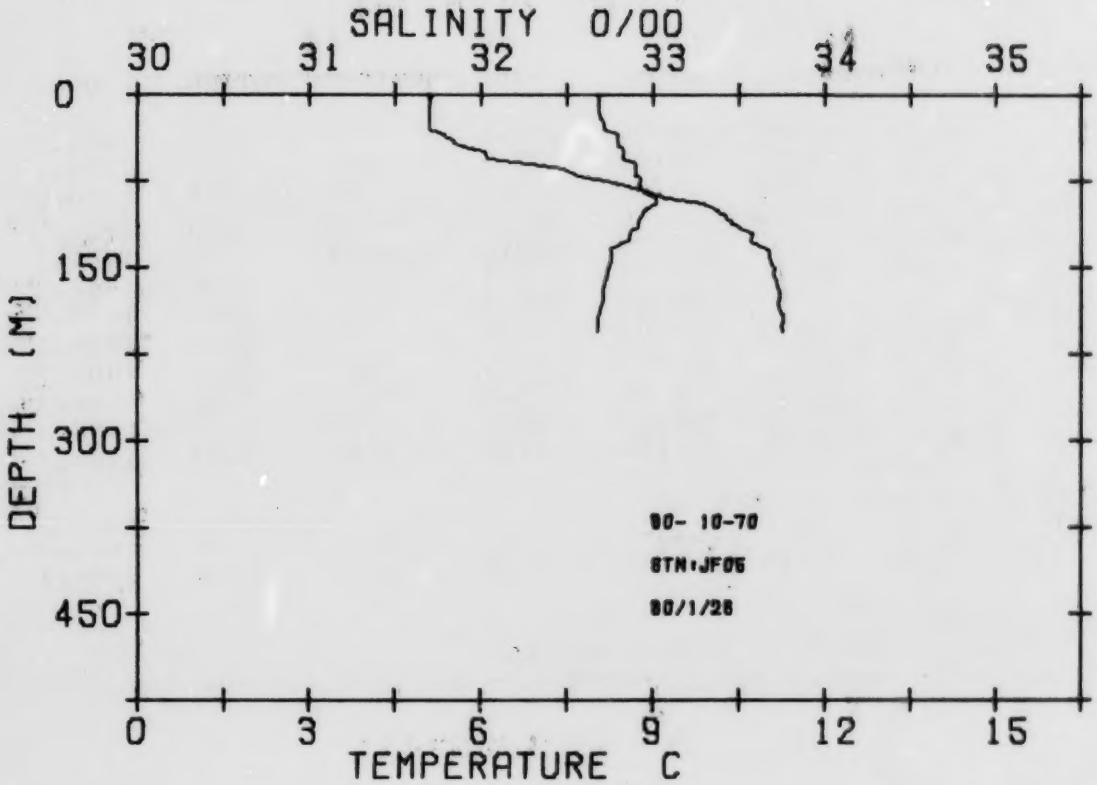
CRUISE : C.O.D.E. 80-10.
STATION: JF04 CONS #069
LAT N 48 24.5 LONG W 124 23.0
DATE 80/01/26 TIME (PST) 2214

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.04	31.64	24.66	329.2	.00	.00	1478.7
10	8.05	31.64	24.66	329.2	.33	.02	1478.9
20	8.08	31.65	24.66	329.1	.66	.07	1479.2
30	8.09	31.65	24.66	329.5	.99	.15	1479.4
50	8.40	31.81	24.74	322.6	1.64	.41	1481.1
75	8.62	32.11	24.94	303.7	2.43	.90	1482.8
100	9.34	32.94	25.48	252.8	3.12	1.51	1486.9
125	8.90	33.43	25.93	210.5	3.69	2.14	1486.3
150	8.26	33.70	26.24	181.4	4.17	2.80	1484.7
175	8.05	33.76	26.31	174.6	4.61	3.52	1484.3
200	7.93	33.78	26.35	171.5	5.04	4.33	1484.3
225	7.92	33.79	26.36	171.2	5.47	5.23	1484.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
225.1	7.92	33.79	26.36	171.2	5.47	5.24	1484.7

WIND MIXED LAYER DEPTH = 35.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-70
STN:JF06
80/1/28
0
3
6
9
12
15
TEMPERATURE C

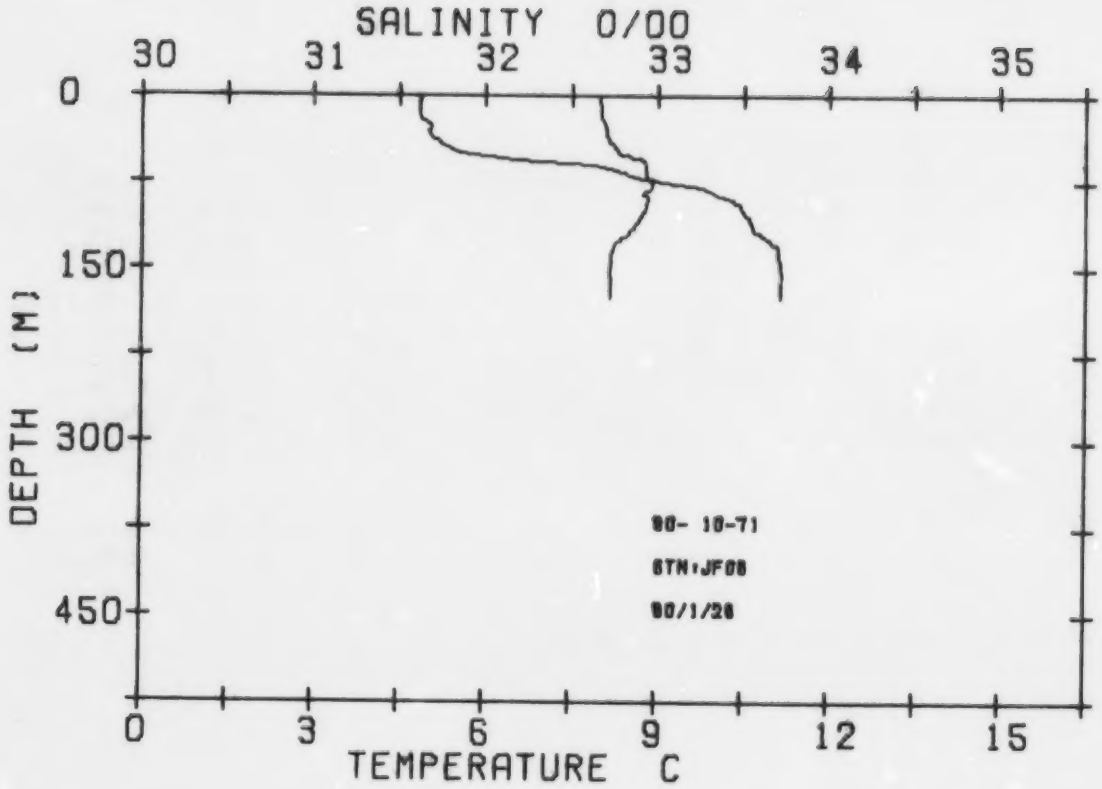
CRUISE : C.O.D.E. 80-10.
STATION: JF05 CONS #070
LAT N 48 21.0 LONG W 124 14.2
DATE 80/01/26 TIME (PST) 2258

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.04	31.71	24.71	324.1	.00	.00	1478.8
10	8.04	31.70	24.71	324.7	.32	.02	1479.0
20	8.06	31.70	24.71	324.9	.65	.07	1479.2
30	8.12	31.70	24.69	326.4	.97	.15	1479.6
50	8.49	32.03	24.90	307.1	1.61	.40	1481.7
75	8.78	32.72	25.40	260.3	2.33	.84	1484.1
100	8.89	33.38	25.89	213.5	2.92	1.36	1485.8
125	8.58	33.57	26.09	195.2	3.43	1.93	1485.3
150	8.24	33.71	26.25	180.4	3.89	2.57	1484.6
175	8.12	33.74	26.29	176.9	4.34	3.30	1484.6
200	8.05	33.75	26.31	175.2	4.78	4.12	1484.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
205.6	8.04	33.76	26.32	174.8	4.88	4.32	1484.8

WIND MIXED LAYER DEPTH = 17.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-71
STN:JF08
90/1/26
0
3
6
9
12
15
TEMPERATURE C

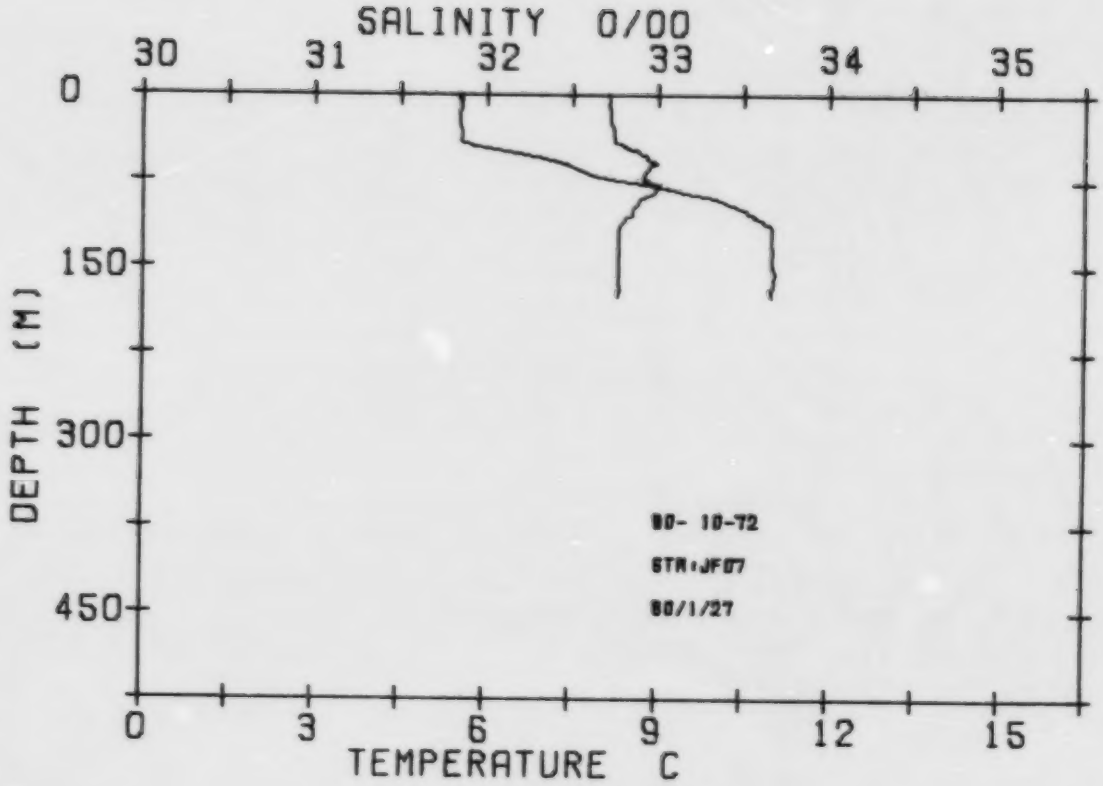
CRUISE : C.O.D.E. 80-10.
STATION: JF06 CONS #071
LAT N 48 16.8 LONG W 124 05.5
DATE 80/01/26 TIME (PST) 2347

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.99	31.63	24.66	329.4	.00	.00	1478.5
10	8.00	31.62	24.65	329.9	.33	.02	1478.7
20	8.02	31.63	24.65	329.9	.66	.07	1478.9
30	8.11	31.67	24.68	328.0	.99	.15	1479.5
50	8.30	31.85	24.78	318.0	1.64	.41	1480.8
75	8.93	33.03	25.61	239.6	2.31	.82	1485.1
100	8.79	33.50	26.00	203.5	2.85	1.29	1485.6
125	8.34	33.66	26.19	185.3	3.34	1.84	1484.5
150	8.18	33.72	26.26	179.1	3.79	2.46	1484.4
175	8.19	33.72	26.26	179.7	4.24	3.19	1484.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.2	8.19	33.72	26.26	179.7	4.24	3.19	1484.8

WIND MIXED LAYER DEPTH = 35.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-72
STA:JF07
80/1/27
0
3
6
9
12
15
TEMPERATURE C

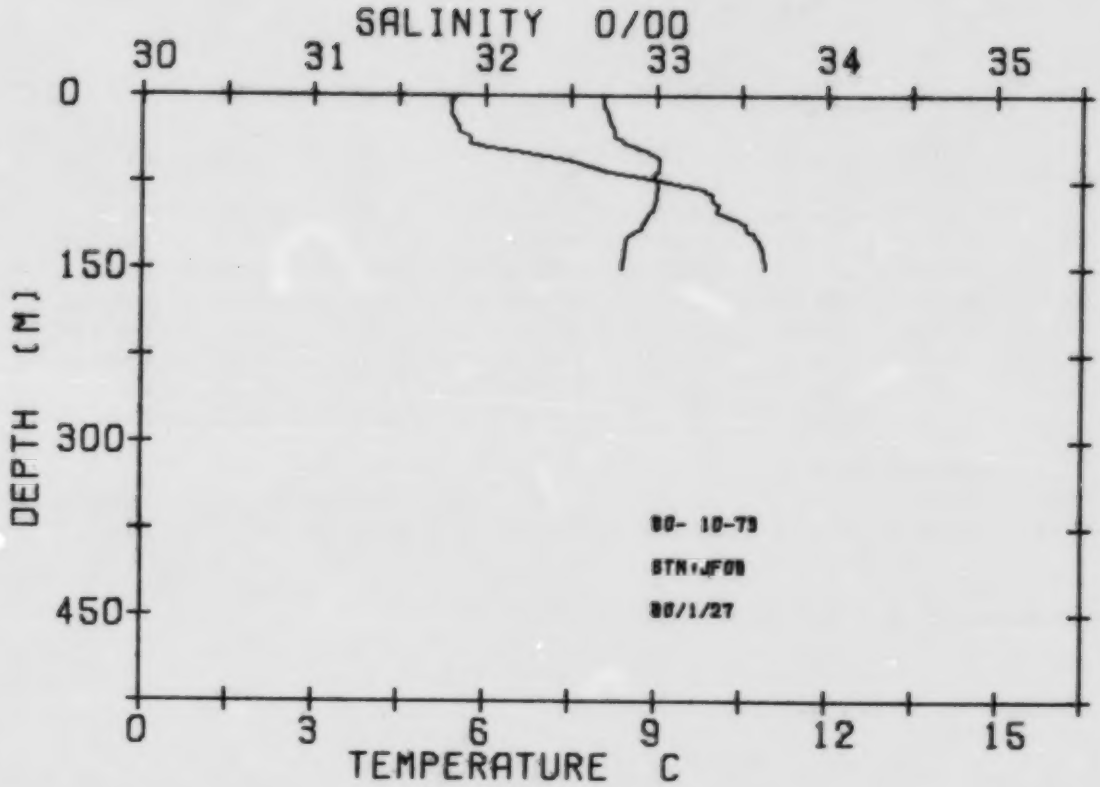
CRUISE : C.O.D.E. 80-10.
STATION: JF07 CONS #072
LAT N 48 17.0 LONG W 123 57.5
DATE 80/01/27 TIME (PST) 0022

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.14	31.84	24.80	315.8	.00	.00	1479.3
10	8.14	31.86	24.81	314.5	.32	.02	1479.5
20	8.17	31.85	24.80	316.0	.63	.06	1479.8
30	8.21	31.86	24.81	315.4	.95	.14	1480.2
50	8.66	32.12	24.95	302.6	1.57	.39	1482.5
75	8.75	32.76	25.44	255.9	2.27	.83	1484.1
100	8.59	33.51	26.04	199.3	2.83	1.31	1484.9
125	8.31	33.67	26.20	184.3	3.31	1.85	1484.4
150	8.31	33.68	26.21	184.0	3.77	2.48	1484.8
175	8.32	33.67	26.21	184.9	4.23	3.23	1485.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.1	8.32	33.67	26.21	184.9	4.23	3.23	1485.3

WIND MIXED LAYER DEPTH = 38.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 10-73
STN:JF08
80/1/27
0
3
6
9
12
15
TEMPERATURE C

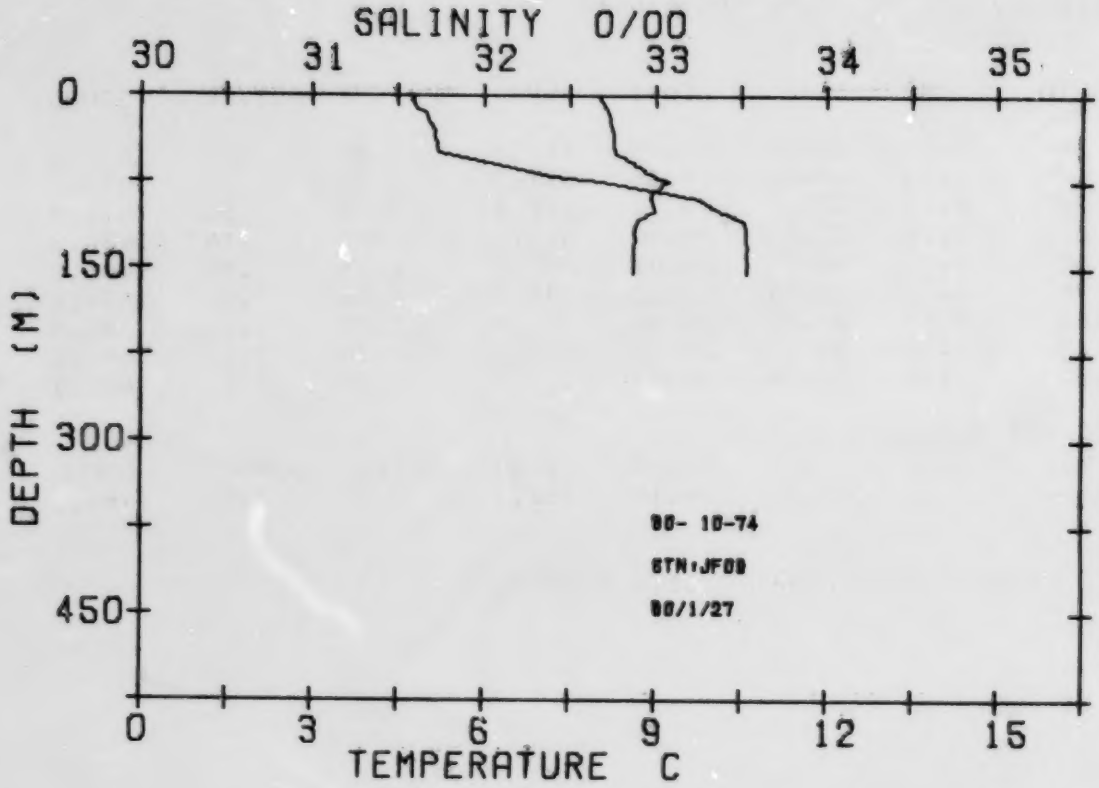
CRUISE : C.O.D.E. 80-10.
STATION: JF08 CONS #073
LAT N 48 16.0 LONG W 123 49.0
DATE 80/01/27 TIME (PST) 0112

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.05	31.83	24.80	315.4	.00	.00	1479.0
10	8.06	31.81	24.78	317.3	.32	.02	1479.2
20	8.15	31.83	24.79	317.1	.63	.06	1479.7
30	8.24	31.85	24.80	316.5	.95	.14	1480.2
50	8.89	32.25	25.01	296.6	1.57	.39	1483.5
75	9.01	33.07	25.63	238.0	2.24	.81	1485.5
100	8.93	33.35	25.86	216.2	2.79	1.29	1485.9
125	8.48	33.60	26.12	191.9	3.30	1.86	1485.0
150	8.40	33.64	26.17	188.0	3.77	2.51	1485.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
150.1	8.40	33.64	26.17	188.0	3.77	2.51	1485.1

WIND MIXED LAYER DEPTH = 31.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
00- 10-74
STN:JF08
00/1/27
0
3
6
9
12
15
TEMPERATURE C

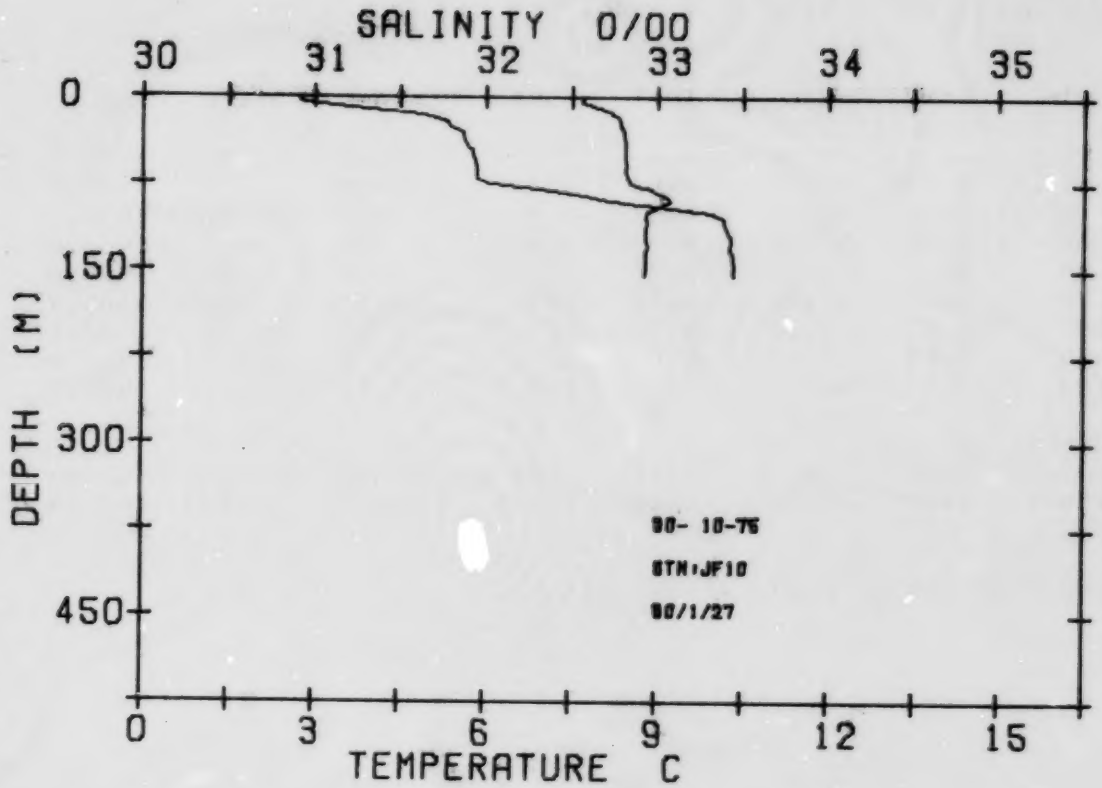
CRUISE : C.O.D.E. 80-10.
STATION: JF09 CONS #074
LAT N 48 14.5 LONG W 123 40.8
DATE 80/01/27 TIME (PST) 0204

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	8.02	31.59	24.62	332.4	.00	.00	1478.6
10	8.09	31.61	24.63	332.5	.33	.02	1479.0
20	8.19	31.68	24.67	328.4	.66	.07	1479.7
30	8.21	31.71	24.69	326.4	.99	.15	1480.0
50	8.29	31.74	24.70	326.1	1.64	.41	1480.6
75	9.21	32.68	25.30	269.6	2.39	.88	1485.7
100	8.97	33.37	25.87	215.7	2.98	1.39	1486.1
125	8.63	33.53	26.05	199.4	3.49	1.96	1485.4
150	8.60	33.53	26.06	199.0	3.98	2.64	1485.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
155.1	8.62	33.53	26.05	199.5	4.09	2.79	1485.9

WIND MIXED LAYER DEPTH = 45.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 10-76
STN:JF10
90/1/27
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-10.
STATION: JF10 CONS #075
LAT N 48 13.5 LONG W 123 35.0
DATE 80/01/27 TIME (PST) 0242

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	7.65	30.93	24.15	377.3	.00	.00	1476.3
10	8.01	31.30	24.40	354.2	.37	.02	1478.3
20	8.32	31.78	24.73	323.1	.71	.07	1480.3
30	8.39	31.87	24.79	317.2	1.03	.15	1480.9
50	8.43	31.93	24.83	313.6	1.66	.40	1481.4
75	8.51	32.03	24.89	307.9	2.44	.89	1482.2
100	8.83	33.32	25.85	217.1	3.11	1.47	1485.5
125	8.79	33.43	25.95	208.9	3.64	2.07	1485.9
150	8.79	33.44	25.96	208.4	4.16	2.78	1486.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
155.2	8.78	33.45	25.96	207.9	4.27	2.95	1486.4

WIND MIXED LAYER DEPTH = 66.7 METRES

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 1 DATE 15/ 1/80 GMT 19.3
POSITION 48-32.2 N, 125-15.5 W STATION 103
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.172	5.756
25		32.232	6.251
50		32.518	6.247
75		32.707	6.010
100		32.916	6.295

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 2 DATE 15/ 1/80 GMT 9.5
POSITION 48-25.5 N, 125-28.3 W STATION 105
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
25		32.600	6.263
50		32.603	6.181
75		32.657	6.071
100		33.079	4.910
125		33.410	3.976

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 3 DATE 15/ 1/80 GMT 23.4
POSITION 48-18.5 N, 125-41.2 W STATION 107
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.721	
25		32.724	6.987
50		32.723	6.161
75		32.720	6.177
100		33.320	4.072
125		33.512	3.766
140		33.547	3.723

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 4 DATE 16/ 1/80 GMT 1.8
POSITION 48-12.9 N, 125-52.0 W STATION 109
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.738	6.145
25		32.741	6.115
50		32.735	6.124
75		32.873	5.684
100		33.550	3.698
125		33.672	3.395
150			5.000
175		33.761	3.074
200		33.781	2.987
250			2.777
300		33.864	2.493
500		33.951	1.042
590		34.079	

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 6 DATE 16/ 1/80 GMT 3.4
POSITION 48- 8.5 N, 126- .0 W STATION 111
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.691	6.226
25		32.693	6.230
50		32.701	6.228
75		33.275	4.719
100		33.633	3.637
125		33.788	2.963
150		33.825	2.902
175		33.887	3.154
200		33.876	2.771
300		33.971	2.434
500		34.022	1.376
1150			.548

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 8 DATE 16/ 1/80 GMT 7.2
POSITION 48- 2.5 N, 126-20.0 W STATION WC9
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.53	32.585	6.378
25		32.583	6.489
50	9.55	32.593	6.729
75		32.682	6.166
100	8.34	33.406	4.919
125		33.673	3.435
150	7.90	33.781	3.223
175		33.874	2.949
200	7.37	33.933	2.711
300		33.990	2.210
500	4.86	34.060	1.061
1145		34.451	.719

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 11 DATE 16/ 1/80 GMT 12.5
POSITION 48-16.0 N, 126-49.5 W STATION WC12
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.10	32.501	6.466
25		32.508	6.039
50	9.10	32.501	5.765
75		32.938	4.404
100	8.21	33.437	4.307
125		33.626	2.578
150	7.76	33.791	2.035
175		33.726	3.043
200	7.31	33.914	2.819
300		33.990	2.157
500	4.81	34.062	.813
1180		34.440	.595

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 14 DATE 16/ 1/80 GMT 18.6
POSITION 48-30.0 N, 127-20.0 W STATION WC15
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	8.47	32.500	6.560
25		32.503	6.547
50	8.54	32.537	6.500
75		32.604	6.154
100	7.50	33.515	3.749
125		33.747	3.232
150	7.21	33.829	3.082
175		33.886	3.133
200	6.46	33.931	2.847
300		33.977	1.796
500	4.46	34.122	.735

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 17 DATE 17/ 1/80 GMT .7
POSITION 48-41.7 N, 127-45.8 W STATION WC18
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	8.47	32.517	6.277
25		32.512	6.488
50	8.47	32.504	6.502
75		33.187	4.634
100	7.58	33.460	4.061
125		33.793	3.291
150	7.06	33.806	3.086
175		33.899	2.987
200	6.42		
300		33.980	2.000
500	4.54	34.109	.837
1050		34.425	.599

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 19 DATE 17/ 1/80 GMT 5.4
POSITION 48-53.5 N, 127-29.0 W STATION WC20
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	8.64	32.508	6.867
25		32.507	6.606
50	8.65	32.507	6.494
75		32.976	5.200
100	7.51	33.616	3.769
125		33.780	3.264
150	7.17	33.807	3.097
175		33.859	3.099
200	6.54	33.937	2.656
300		33.973	1.950
500	4.88	34.094	.962
800		34.324	.367

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 20 DATE 17/ 1/80 GMT 7.8
POSITION 49-59.0 N, 127-19.5 W STATION WC21
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.517
25			6.514
50			6.512
75			5.436
100			4.436
125			3.644
150			3.290
200			2.630
250			2.668
300			1.967
500			.869

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 21 DATE 17/ 1/80 GMT 10.0
POSITION 49- 4.5 N, 127-11.0 W STATION WC22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.620
25			6.271
50			6.517
75			6.286
100			4.293
125			3.847
150			3.285
175			3.158
200			3.167
250			2.662
300			2.450

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 23 DATE 17/ 1/80 GMT 15.8
POSITION 49-21.5 N, 126-44.5 W STATION WC25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.549
25			6.133
50			6.154
75			6.156
100			6.072

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 24 DATE 17/ 1/80 GMT 16.6
POSITION 49-18.1 N, 126-48.5 W STATION WC24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.582
25			6.238
50			6.264
75			6.136
100			5.210
125			3.932

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 25 DATE 17/ 1/80 GMT 17.2
POSITION 49-15.5 N, 126-53.0 W STATION WC24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.537
25			6.211
50			6.152
75			5.625
100			5.074
125			3.749

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 26 DATE 17/ 1/80 GMT 17.9
POSITION 49-12.7 N, 126-57.2 W STATION WC23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.437
25			6.270
50			5.480
75			4.524
100			3.750
125			3.289
175			3.266

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 27 DATE 17/ 1/80 GMT 19.3
POSITION 49-10.0 N, 127- 2.0 W STATION WC23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.641
25			6.771
50			6.494
75			5.249
100			4.269
125			3.533
175			2.654
200			2.615
300			2.531
500			1.051

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 40 DATE 23/ 1/80 GMT 10.6
POSITION 49-21.5 N, 126-44.5 W STATION WC25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.597
25			6.362
50			6.179
75			6.197
90			6.113

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 41 DATE 23/ 1/80 GMT 11.8
POSITION 49-30.5 N, 126-51.2 W STATION WC26
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.754
25			5.319
50			3.845
70			4.424

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 42 DATE 23/ 1/80 GMT 12.7
POSITION 49-36.0 N, 127- 1.1 W STATION WC27
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.405
25			6.361
50			6.279
75			4.705

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 43 DATE 23/ 1/80 GMT 13.7
POSITION 49-40.5 N, 127-11.0 W STATION WC28
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.825
25			6.414
50			6.175
75			6.213
110			4.202

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 44 DATE 23/ 1/80 GMT 14.6
POSITION 49-46.0 N, 127-20.0 W STATION WC29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.889
25			6.255
50			6.091
75			5.943

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 45 DATE 23/ 1/80 GMT 15.2
POSITION 49-42.8 N, 127-24.2 W STATION WC29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.193
25			5.962
50			6.148
75			6.141

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 46 DATE 23/ 1/80 GMT 15.9
POSITION 49-40.5 N, 127-29.0 W STATION WC30
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.425
25			6.177
50			6.150
75			5.990
100			5.322
125			4.023
150			3.379
175			3.083
200			2.823
250			2.973
300			2.582
500			1.011

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 47 DATE 23/ 1/80 GMT 17.1
POSITION 49-34.5 N, 127-38.0 W STATION WC31
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.545
25			6.006
50			5.494
75			4.376
100			3.892
125			2.560
150			2.873
175			2.994
200			2.942
250			2.691
300			2.672
500			1.186

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 49 DATE 23/ 1/80 GMT 19.8
POSITION 49-23.0 N, 127-55.0 W STATION WC33
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.546	6.812
25	8.39	32.537	6.619
50		32.536	6.623
75	8.31	32.892	5.662
100		33.376	4.626
125	7.40	33.593	4.298
150		33.658	3.912
175	7.27	33.785	3.550
200		33.905	3.133
300	6.14	33.944	2.684
500		34.059	1.184
1140	3.15	34.431	.724

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 52 DATE 24/ 1/80 GMT 1.1
POSITION 49- 6.5 N, 128-21.0 W STATION WC36
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.511	6.690
25	8.15	32.512	6.749
50		32.515	6.614
75	8.31	33.428	4.149
100		33.583	3.799
125	7.13	33.856	3.196
150		33.878	3.089
175	6.68	33.927	2.874
200		33.933	2.866
300	5.64	33.949	2.310
500		34.106	.904
1000	3.40	34.392	.504

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 67 DATE 26/ 1/80 GMT 20.5
POSITION 48-28.5 N, 124-39.0 W STATION JF2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.031
25			5.888
50			5.417
75			4.773
100			4.135
125			3.430
150			3.130
175			3.170
200			2.958
240			2.668

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 71 DATE 26/ 1/80 GMT 23.8
POSITION 48-18.8 N, 124- 5.5 W STATION JF6
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.988
25			5.704
50			5.611
75			4.422
100			3.824
125			3.551
150			3.139
175			3.133

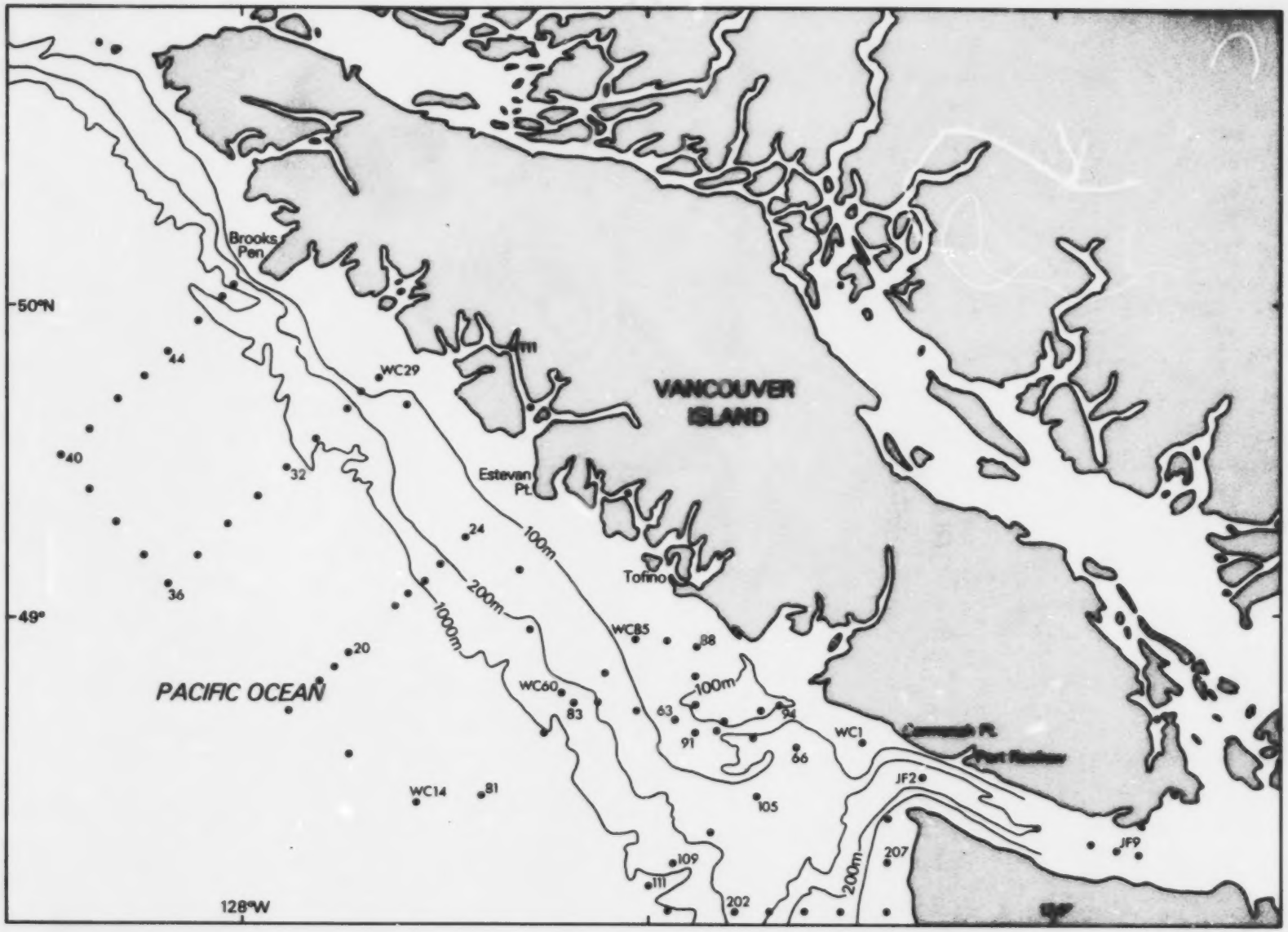
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 10- 75 DATE 27/ 1/80 GMT 2.7
POSITION 48-13.5 N, 123-35.0 W STATION JF10
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.949
25			5.330
50			5.194
75			4.896
100			4.806
125			3.836
150			3.804

CRUISE 80-11

MAY 1980


VANCOUVER ISLAND
PACIFIC OCEAN
Brooks Pen
Estevan Pt.
Tofino
Port Renfrew
50°N
49°
128°W
100m
200m
1000m
WC29
WC85
WC60
WC14
WC1
JF2
JF9
44
40
32
24
36
20
88
63
91
94
66
83
81
105
109
111
202
207

COASTAL OCEANIC DYNAMICS EXPERIMENT

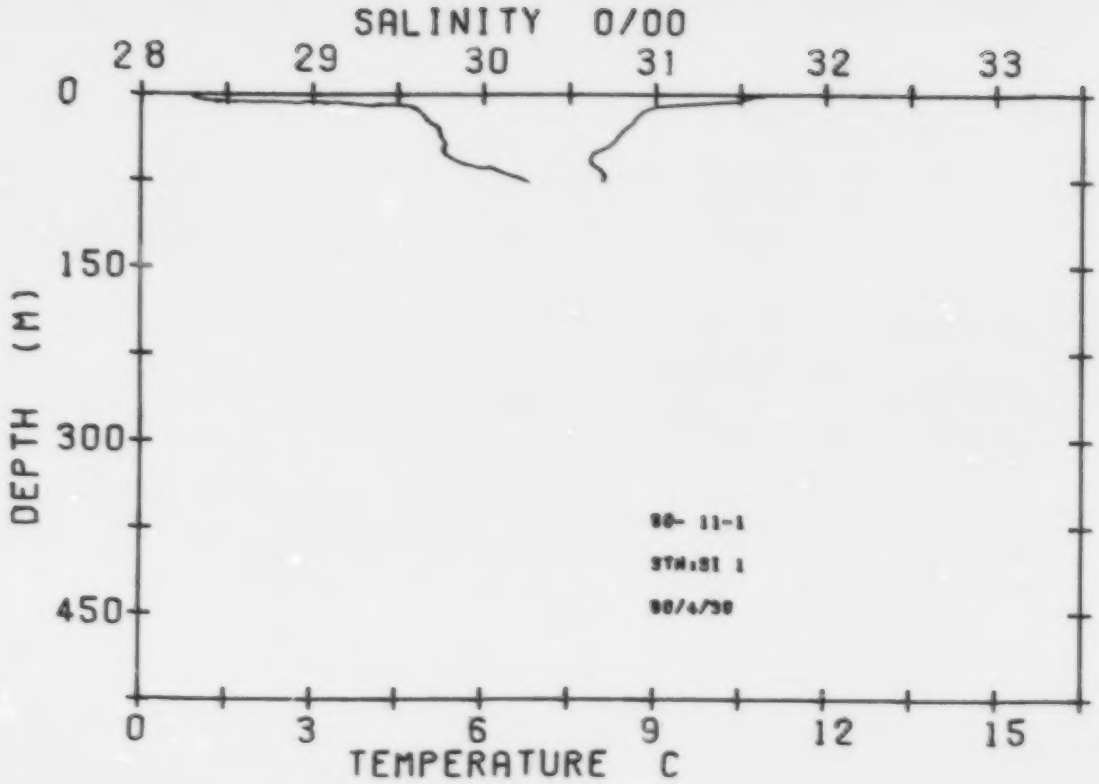
CRUISE 80-11. APRIL 30 - MAY 16 , 1980

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 91
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 80.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 75

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-

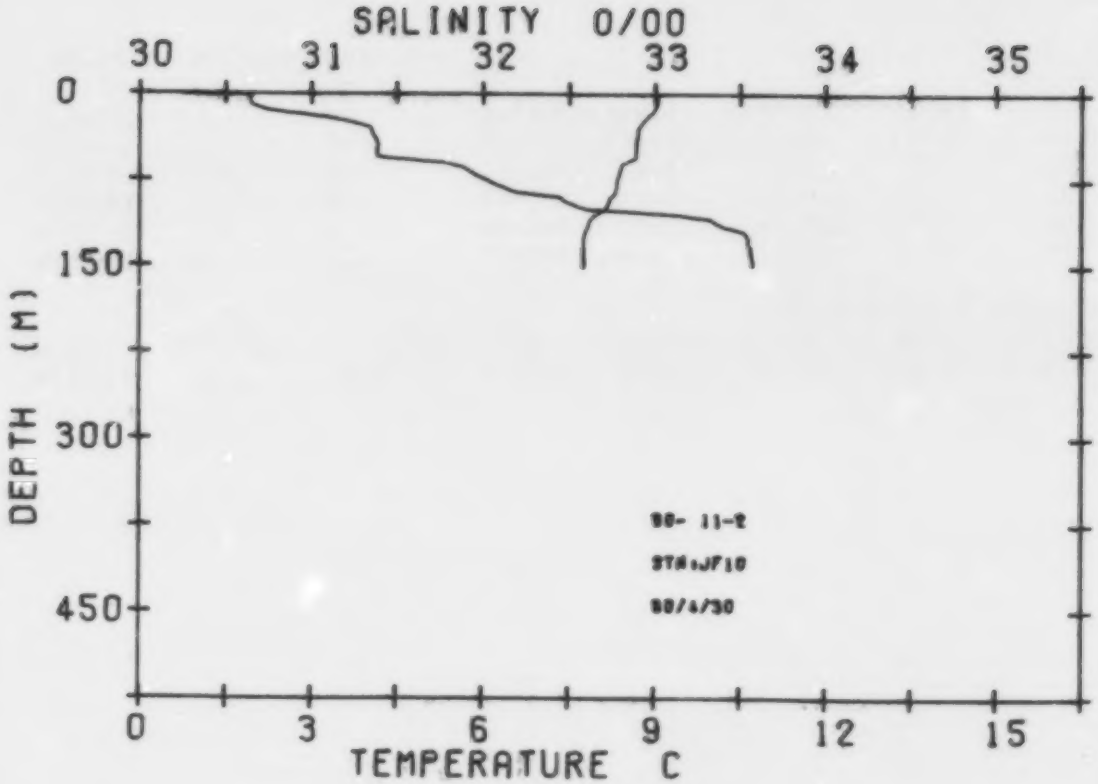

SALINITY 0/00
28
29
30
31
32
33
0
150
300
450
DEPTH (M)
80- 11-1
STN:SI 1
80/4/30
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: SI 1 CONS #001
LAT N 48 39.0 LONG W 123 29.0
DATE 80/04/30 TIME (PST) 0550

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.91	28.06	21.43	637.6	.00	.00	1484.9
10	9.07	29.53	22.86	500.8	.59	.03	1480.1
20	8.69	29.65	23.01	486.7	1.08	.10	1478.9
30	8.50	29.72	23.09	479.0	1.56	.22	1478.5
50	7.93	29.74	23.19	469.9	2.51	.60	1476.6
75	8.10	30.25	23.56	434.9	3.64	1.31	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
75.1	8.10	30.25	23.56	434.9	3.65	1.31	1478.4

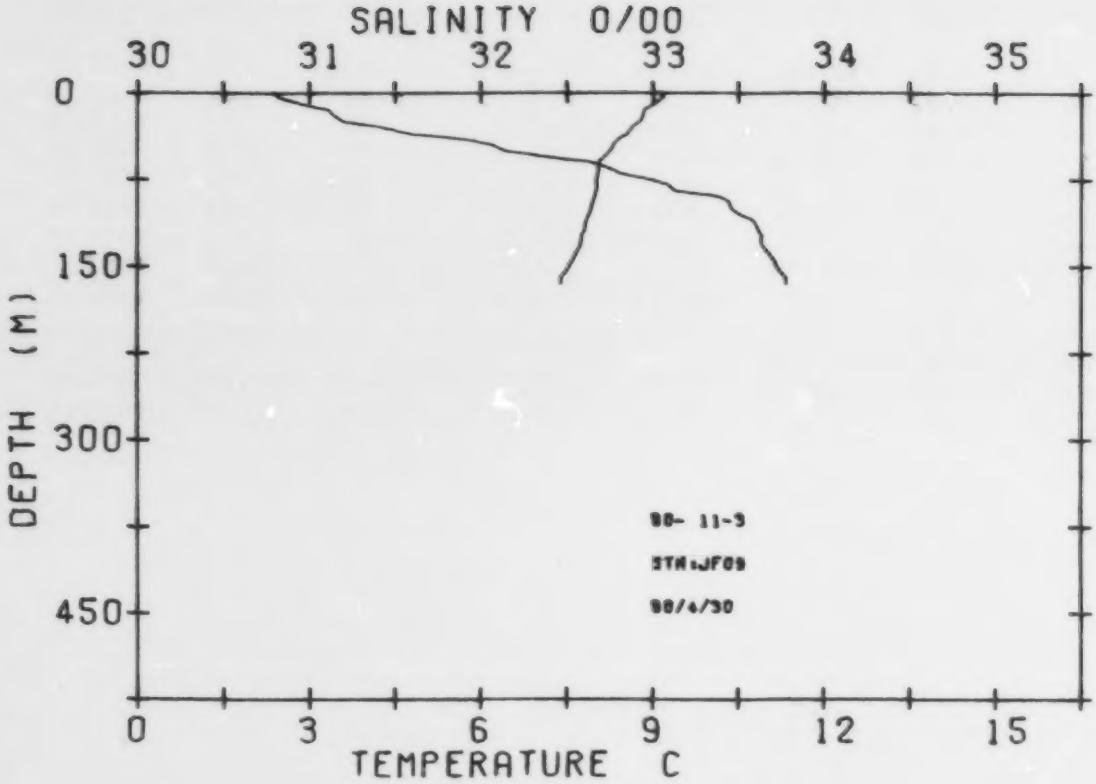

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: JF10 CONS #002
LAT N 48 13.8 LONG W 123 34.2
DATE 80/04/30 TIME (PST) 1139

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.03	30.33	23.49	440.5	.00	.00	1480.8
10	9.02	30.64	23.74	417.3	.42	.02	1481.3
20	8.85	31.06	24.09	383.9	.83	.08	1481.4
30	8.71	31.34	24.32	361.4	1.20	.17	1481.4
50	8.68	31.38	24.36	358.2	1.92	.46	1481.6
75	8.35	32.02	24.91	306.6	2.74	.97	1481.6
100	8.12	32.60	25.39	260.6	3.45	1.59	1481.9
125	7.75	33.55	26.19	185.3	3.97	2.17	1482.1
150	7.74	33.57	26.22	183.4	4.43	2.80	1482.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
150.5	7.74	33.57	26.22	183.4	4.44	2.82	1482.5

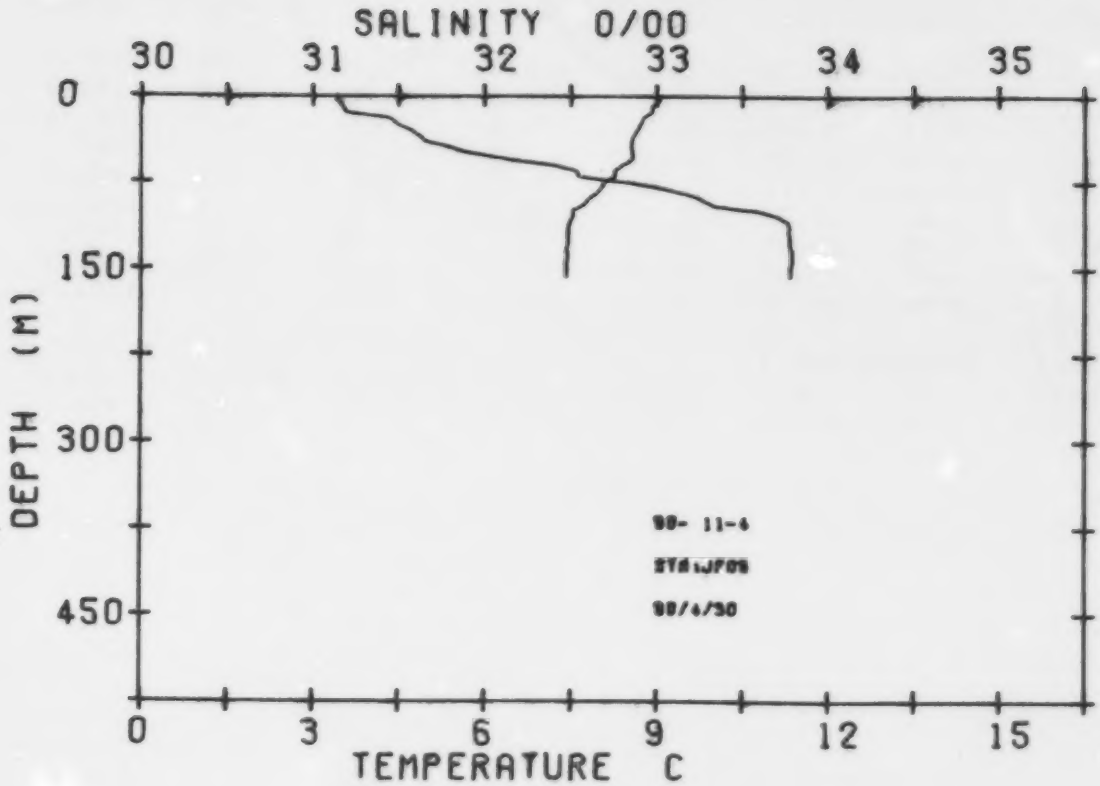

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-3
STN:JF09
80/4/30
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: JF09 CONS #003
LAT N 48 14.5 LONG W 123 40.8
DATE 80/04/30 TIME (PST) 1231

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.19	30.79	23.82	408.6	.00	.00	1482.0
10	9.01	30.98	24.00	392.3	.40	.02	1481.7
20	8.81	31.15	24.16	376.6	.78	.08	1481.4
30	8.64	31.43	24.40	353.8	1.15	.17	1481.2
50	8.26	32.15	25.02	295.3	1.80	.42	1481.0
75	8.02	32.97	25.71	230.8	2.44	.82	1481.6
100	7.93	33.46	26.10	194.0	2.96	1.28	1482.3
125	7.75	33.64	26.27	178.3	3.42	1.80	1482.2
150	7.53	33.72	26.36	169.4	3.86	2.40	1481.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
166.6	7.38	33.78	26.43	163.6	4.14	2.83	1481.6

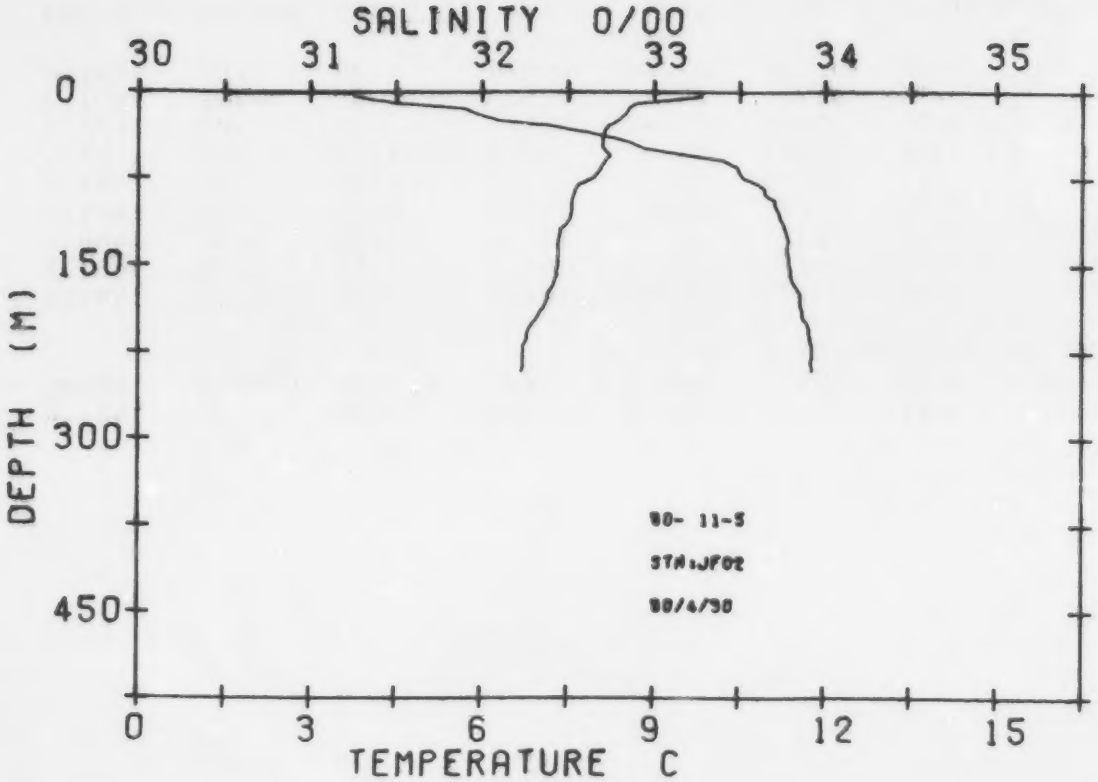

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: JF08 CONS #004
LAT N 48 16.0 LONG W 123 49.0
DATE 80/04/30 TIME (PST) 1307

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.03	31.14	24.12	380.6	.00	.00	1481.8
10	8.92	31.18	24.17	375.9	.38	.02	1481.7
20	8.76	31.44	24.40	354.1	.75	.07	1481.5
30	8.64	31.57	24.52	342.9	1.10	.16	1481.4
50	8.57	31.89	24.77	319.0	1.76	.43	1481.9
75	8.08	32.78	25.55	245.7	2.46	.86	1481.6
100	7.50	33.58	26.26	178.6	2.99	1.32	1480.8
125	7.43	33.78	26.42	163.2	3.41	1.79	1481.2
150	7.42	33.78	26.42	163.7	3.82	2.35	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
157.9	7.41	33.78	26.43	163.3	3.95	2.55	1481.6


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-5
STA:JF02
80/4/30
0
3
6
9
12
15
TEMPERATURE C

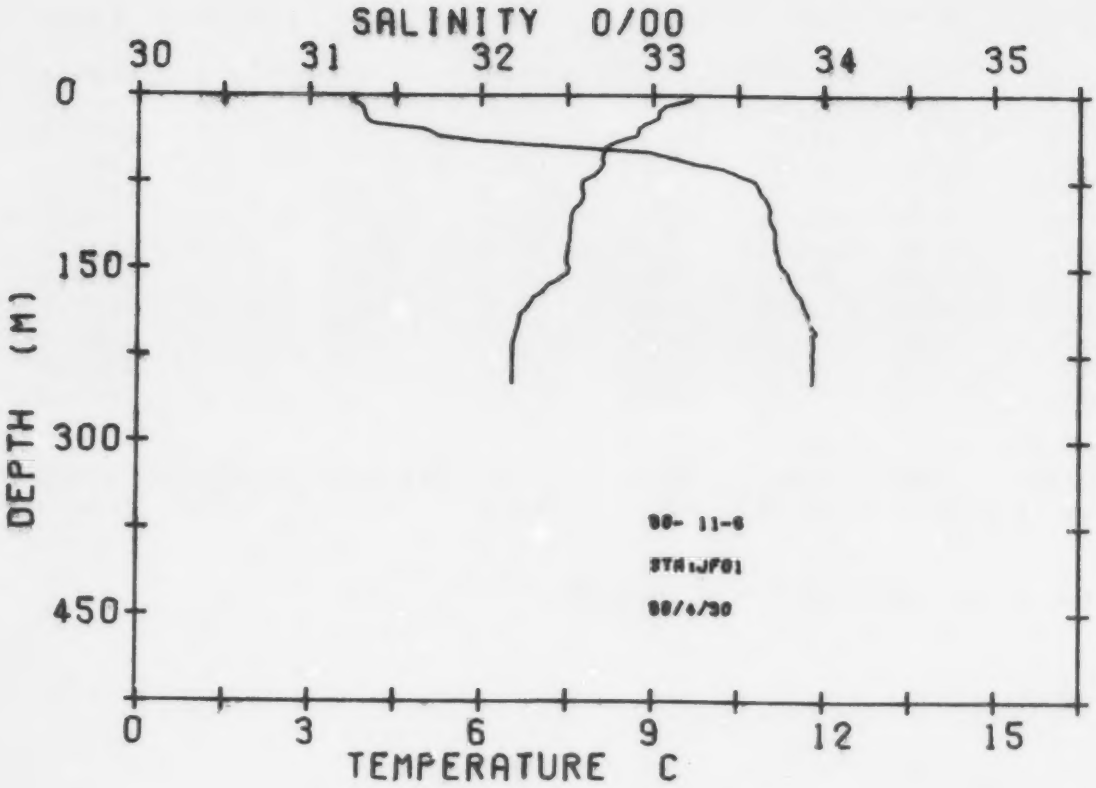
CRUISE : C.O.D.E. 80-11.
STATION: JF02 CONS #005
LAT N 48 28.5 LONG W 124 39.0
DATE 80/04/30 TIME (PST) 2024

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.82	30.65	23.61	428.9	.00	.00	1484.2
10	8.72	31.52	24.46	348.2	.38	.02	1481.3
20	8.50	31.97	24.85	311.5	.71	.07	1481.2
30	8.19	32.39	25.22	276.0	1.01	.14	1480.7
50	8.11	32.94	25.67	233.9	1.51	.34	1481.5
75	7.94	33.52	26.14	189.1	2.01	.65	1482.0
100	7.56	33.71	26.35	170.0	2.45	1.04	1481.2
125	7.36	33.78	26.43	162.8	2.87	1.50	1480.9
150	7.32	33.79	26.45	161.2	3.27	2.06	1481.1
175	7.14	33.86	26.52	154.4	3.67	2.71	1481.0
200	6.88	33.90	26.59	148.2	4.05	3.42	1480.4
225	6.72	33.93	26.64	144.4	4.42	4.20	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
242.3	6.69	33.93	26.64	144.0	4.67	4.78	1480.4

WIND MIXED LAYER DEPTH = 5.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

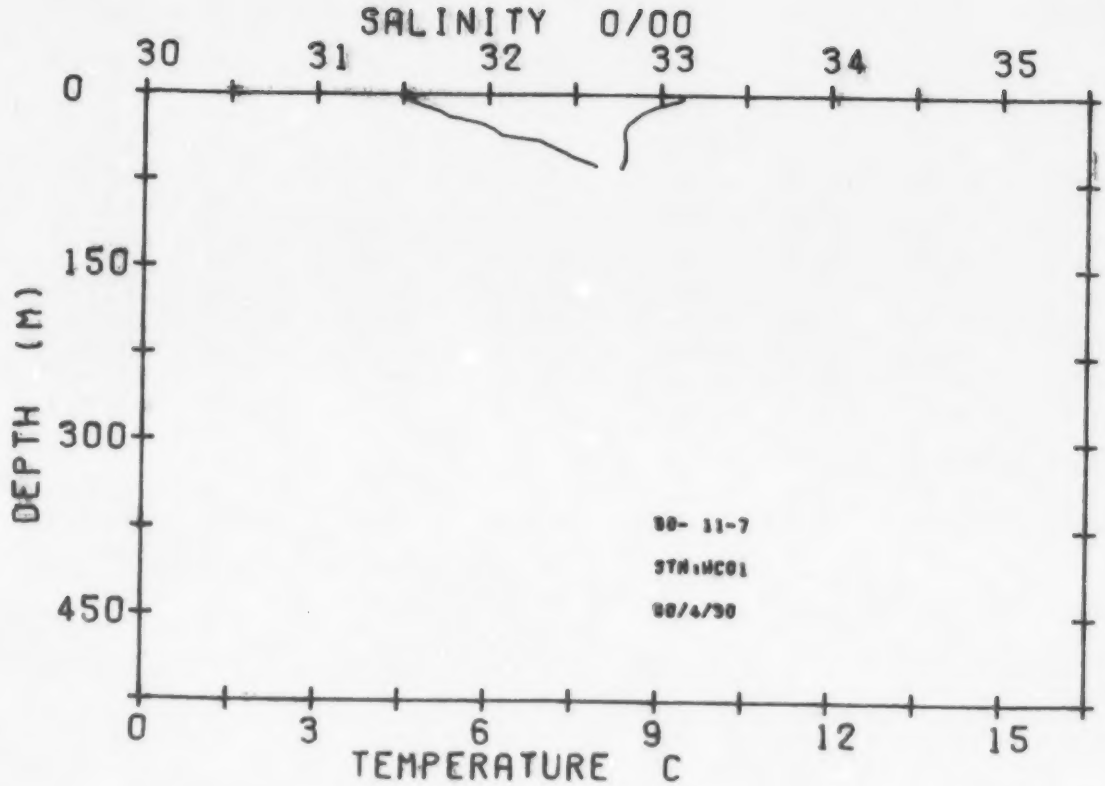
CRUISE : C.O.D.E. 80-11.
STATION: JF01 CONS #006
LAT N 48 30.5 LONG W 124 46.5
DATE 80/04/30 TIME (PST) 2133

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.65	31.25	24.11	381.2	.00	.00	1484.3
10	9.19	31.30	24.22	370.8	.38	.02	1482.8
20	9.09	31.33	24.26	367.3	.75	.07	1482.6
30	8.73	31.64	24.56	339.1	1.10	.16	1481.8
50	8.12	32.96	25.68	233.1	1.70	.40	1481.5
75	7.75	33.60	26.23	180.6	2.22	.72	1481.4
100	7.59	33.69	26.33	171.9	2.66	1.10	1481.3
125	7.53	33.71	26.36	169.7	3.08	1.58	1481.5
150	7.52	33.76	26.39	166.7	3.51	2.16	1481.9
175	6.91	33.87	26.56	150.8	3.90	2.81	1480.1
200	6.63	33.93	26.65	142.4	4.27	3.49	1479.4
225	6.55	33.93	26.66	141.6	4.62	4.24	1479.5
250	6.54	33.93	26.66	142.0	4.98	5.08	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
250.2	6.54	33.93	26.66	142.0	4.98	5.09	1479.9

WIND MIXED LAYER DEPTH = 5.0 METRES

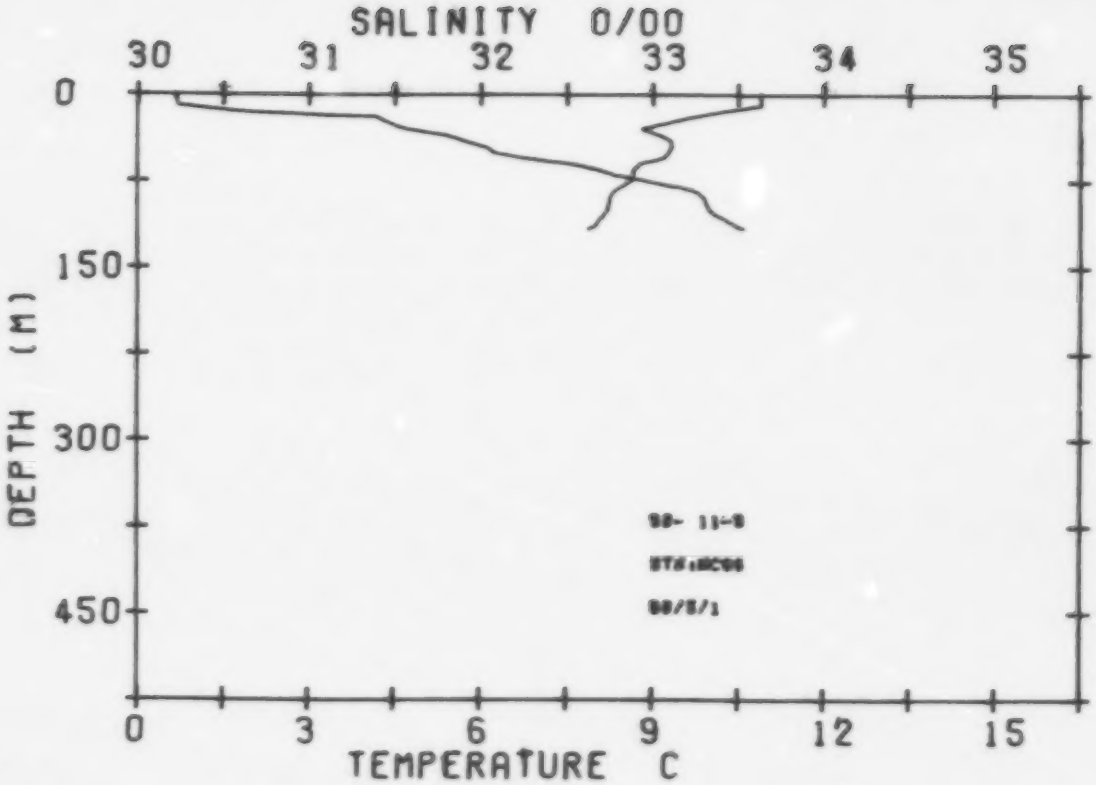

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-7
STA:WC01
80/4/30
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: WC01 CONS #007
LAT N 48 35.5 LONG W 124 57.0
DATE 80/04/30 TIME (PST) 2311

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.36	31.51	24.36	358.0	.00	.00	1483.6
10	8.97	31.61	24.50	344.9	.35	.02	1482.4
20	8.57	31.77	24.66	327.4	.69	.07	1481.2
30	8.38	32.02	24.91	305.7	1.00	.15	1481.0
50	8.41	32.44	25.23	275.2	1.58	.38	1482.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
62.9	8.35	32.63	25.39	260.9	1.93	.57	1482.2


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

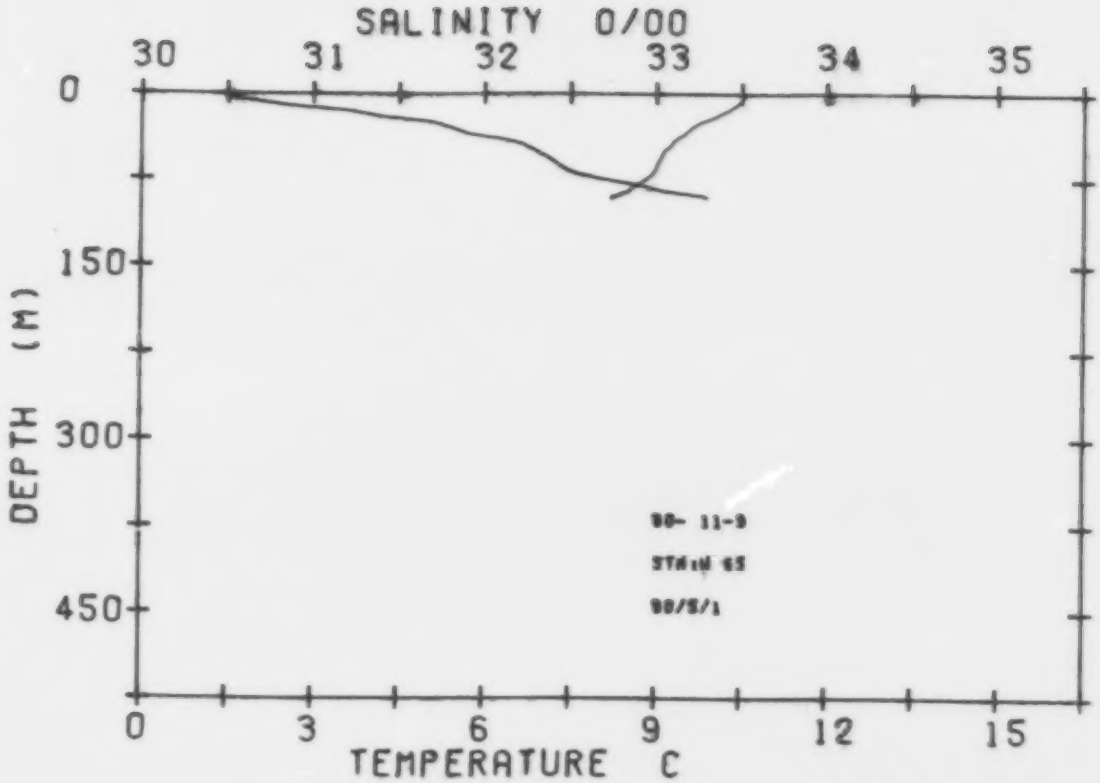
CRUISE : C.O.D.E. 80-11.
STATION: WC66 CONS 4008
LAT N 48 34.5 LONG W 125 17.0
DATE 80/05/01 TIME (PST) 0047

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.88	30.22	23.11	477.1	.00	.00	1487.5
10	10.89	30.23	23.12	476.5	.48	.02	1487.7
20	9.72	31.36	24.19	374.5	.91	.09	1485.0
30	9.79	31.55	24.48	346.7	1.27	.18	1481.9
50	9.28	32.08	24.81	315.4	1.93	.44	1484.8
75	8.62	32.94	25.59	242.1	2.61	.86	1483.8
100	8.19	33.35	25.96	206.8	3.15	1.33	1483.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
117.3	7.86	33.53	26.17	187.7	3.50	1.71	1482.4

WIND MIXED LAYER DEPTH = 10.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

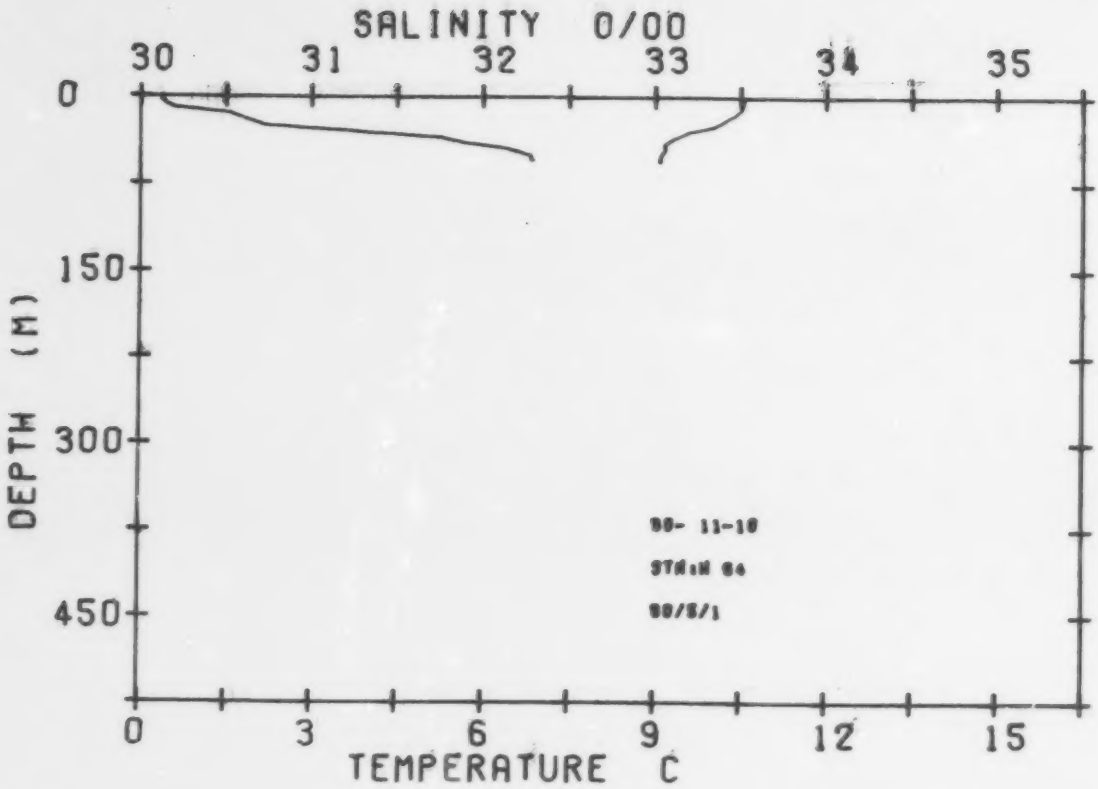
CRUISE : C.O.D.E. 80-11.
STATION: W 65 CONS 4609
LAT N 48 37.0 LONG W 125 28.5
DATE 80/05/01 TIME (PST) 0149

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.56	30.49	23.37	452.0	.00	.00	1486.7
10	10.44	30.77	23.60	429.9	.44	.02	1486.8
20	10.05	31.39	24.15	377.7	.85	.08	1486.3
30	9.63	31.79	24.53	341.5	1.20	.17	1485.4
50	9.15	32.29	25.00	297.5	1.84	.42	1484.6
75	8.83	32.67	25.35	264.8	2.55	.86	1484.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
92.1	8.22	33.30	25.93	209.4	2.95	1.20	1483.0

WIND MIXED LAYER DEPTH = 9.8 METRES

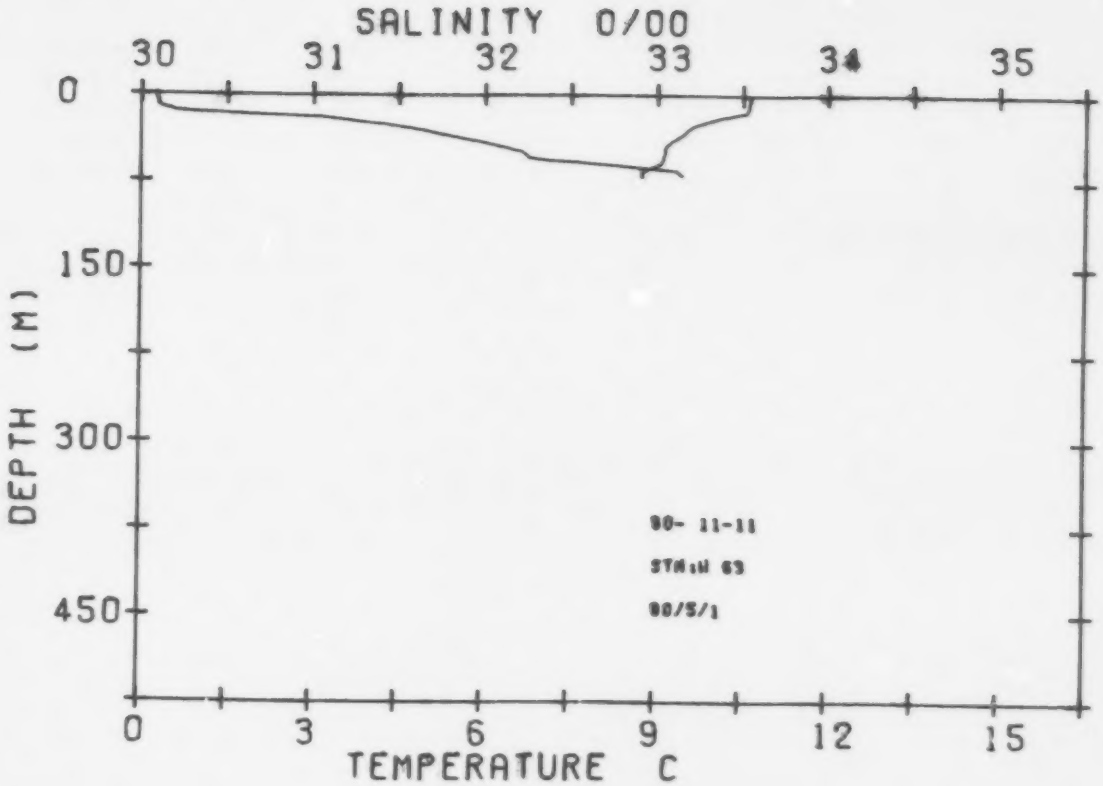

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W 64 CONS 4010
LAT N 48 38.5 LONG W 125 40.0
DATE 80/05/01 TIME (PST) 0254

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.56	30.13	23.09	478.9	.00	.00	1486.2
10	10.53	30.18	23.14	474.5	.48	.02	1486.4
20	10.28	30.59	23.50	440.1	.93	.09	1486.1
30	9.62	31.20	24.03	384.9	1.35	.20	1484.6
50	9.10	32.27	24.99	298.6	2.01	.46	1484.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
55.1	9.10	32.29	25.01	296.7	2.16	.54	1484.5

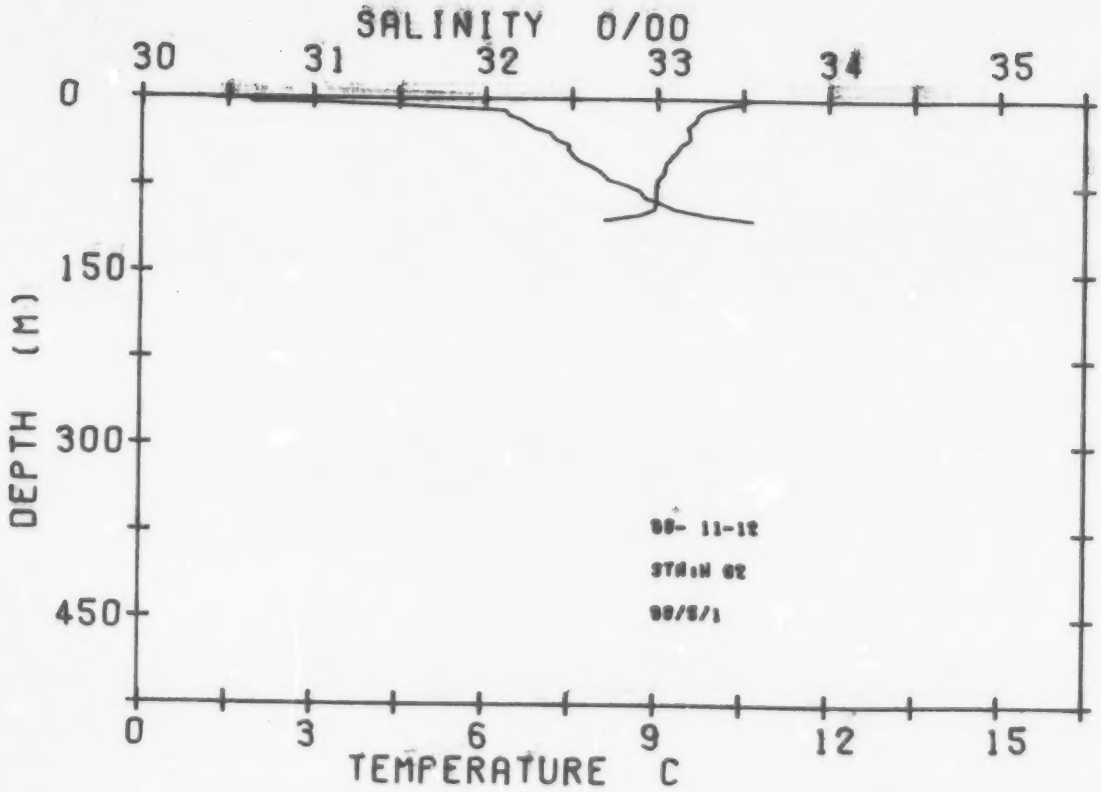

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-11
STA.# 63
80/5/1
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W 63 CONS #011
LAT N 48 40.5 LONG W 125 51.5
DATE 80/05/01 TIME (PST) 0416

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.64	30.09	23.04	483.3	.00	.00	1486.5
10	10.63	30.10	23.05	482.6	.48	.02	1486.6
20	10.11	31.02	23.85	406.3	.94	.09	1486.0
30	9.55	31.59	24.39	355.1	1.32	.19	1484.9
50	9.14	32.21	24.94	303.2	1.97	.45	1484.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
70.0	8.72	33.15	25.74	227.4	2.51	.76	1484.4


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

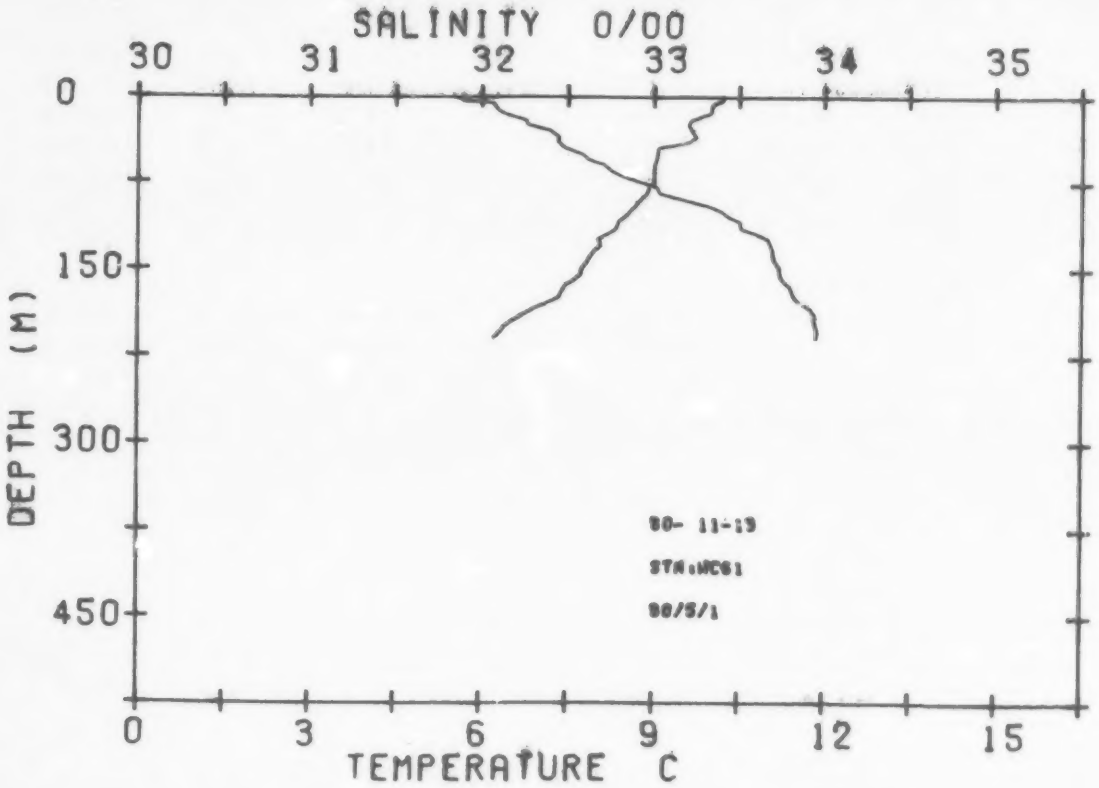
CRUISE : C.O.D.E. 80-11.
STATION: W 62 CONS #012
LAT N 48 41.5 LONG W 126 03.5
DATE 80/05/01 TIME (PST) 0518

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.59	30.33	23.24	464.5	.00	.00	1486.6
10	9.85	32.05	24.70	325.3	.40	.02	1486.2
20	9.67	32.22	24.86	310.4	.72	.07	1485.9
30	9.58	32.38	25.00	297.2	1.02	.14	1486.0
50	9.24	32.52	25.17	281.8	1.60	.37	1485.2
75	8.98	32.82	25.44	256.1	2.28	.79	1485.1
100	8.67	33.27	25.84	218.7	2.88	1.32	1484.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
105.4	8.07	33.56	26.16	188.0	2.99	1.43	1483.0

WIND MIXED LAYER DEPTH = 3.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-13
STA:WC61
90/5/1
0
3
6
9
12
15
TEMPERATURE C

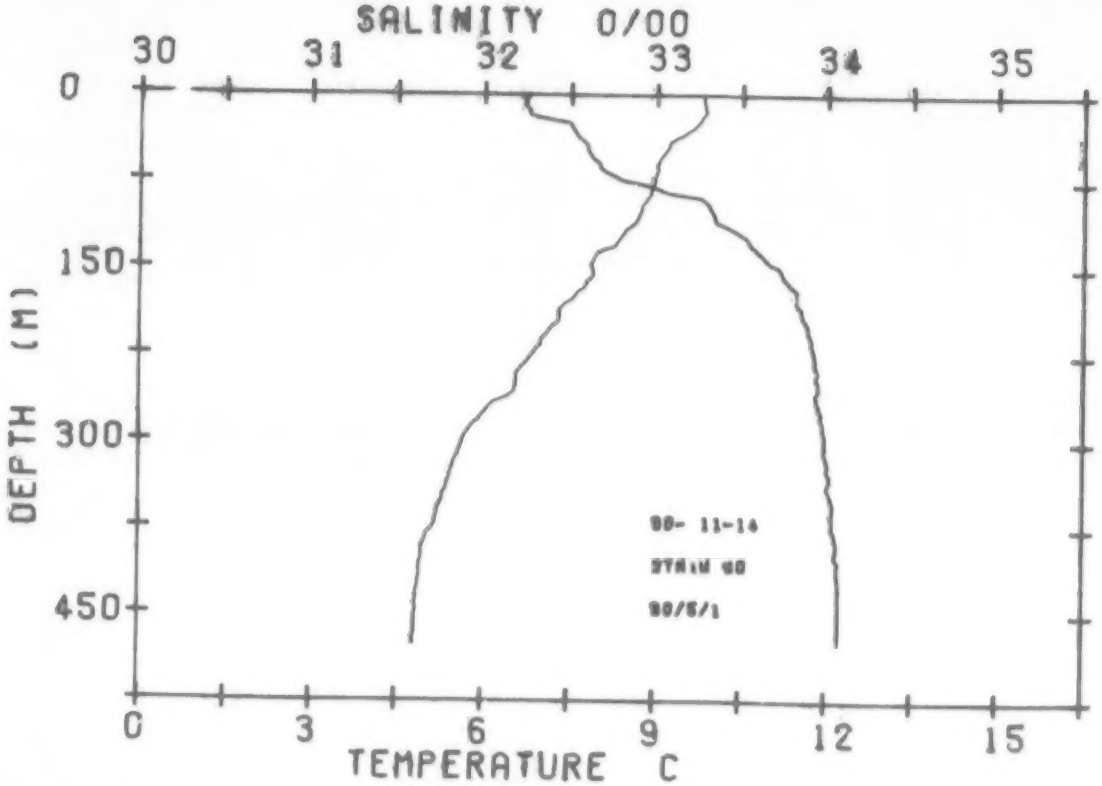
CRUISE : C.O.D.E. 80-11.
STATION: WC61 CONS #013
LAT N 48 43.5 LONG W 126 16.0
DATE 80/05/01 TIME (PST) 0627

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.21	31.84	24.48	346.5	.00	.00	1487.1
10	10.00	32.09	24.70	325.0	.33	.02	1486.8
20	9.65	32.25	24.89	307.4	.65	.06	1485.9
30	9.67	32.40	25.00	297.1	.96	.14	1486.3
50	9.07	32.58	25.24	275.0	1.54	.37	1484.6
75	9.00	32.91	25.51	249.4	2.19	.78	1485.2
100	8.59	33.39	25.95	208.4	2.77	1.28	1484.7
125	8.02	33.67	26.25	180.0	3.26	1.83	1483.3
150	7.75	33.73	26.34	171.6	3.70	2.43	1482.8
175	7.31	33.83	26.48	158.8	4.11	3.10	1481.6
200	6.40	33.95	26.70	138.0	4.48	3.79	1478.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
210.5	6.22	33.95	26.72	135.8	4.62	4.08	1478.0

WIND MIXED LAYER DEPTH = 14.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 11-14
STATION 60
90/5/1
0
3
6
9
12
15
TEMPERATURE C

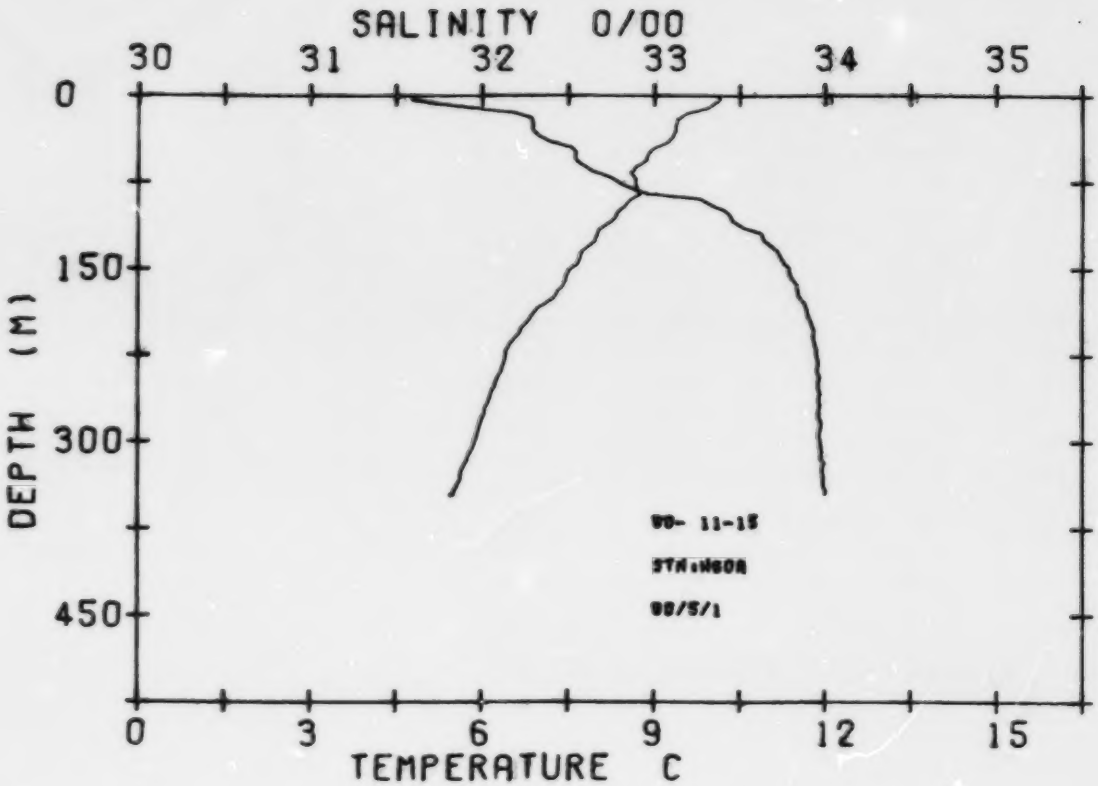
CRUISE : C.O.D.E. 80-11.
STATION: W 60 CONS 4014
LAT N 48 45.5 LONG W 126 26.0
DATE 80/05/01 TIME (PST) 0742

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.82	32.26	24.87	309.5	.00	.00	1486.2
10	9.83	32.23	24.84	311.7	.31	.02	1486.4
20	9.82	32.27	24.88	308.7	.62	.06	1486.5
30	9.62	32.51	25.09	288.3	.92	.14	1486.3
50	9.15	32.60	25.24	274.7	1.47	.36	1485.0
75	8.98	32.80	25.43	257.5	2.14	.77	1485.0
100	8.72	33.32	25.87	215.3	2.72	1.28	1485.1
125	8.36	33.53	26.09	195.2	3.24	1.86	1484.4
150	7.90	33.71	26.30	175.4	3.70	2.50	1483.3
175	7.57	33.82	26.43	163.4	4.12	3.18	1482.6
200	7.20	33.89	26.54	153.5	4.52	3.92	1481.6
225	6.82	33.93	26.62	145.9	4.89	4.72	1480.6
250	6.56	33.95	26.67	141.1	5.25	5.57	1480.0
300	5.65	33.99	26.82	127.0	5.92	7.41	1477.2
400	4.94	34.05	26.95	115.4	7.13	11.62	1476.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
475.2	4.80	34.08	27.00	111.9	7.98	15.32	1476.7

WIND MIXED LAYER DEPTH = 21.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

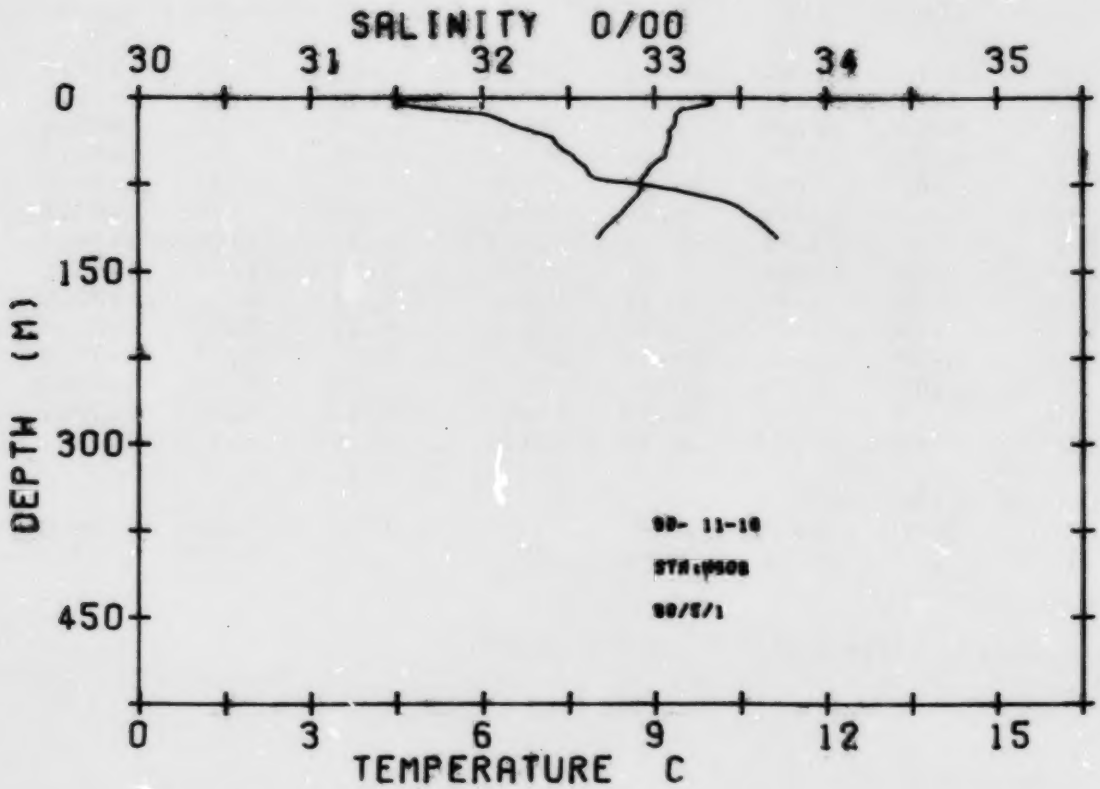
CRUISE : C.O.D.E. 80-11.
STATION: #60A CONS #015
LAT N 48 57.3 LONG W 126 33.5
DATE 80/05/01 TIME (PST) 0953

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.15	31.61	24.31	362.7	.00	.00	1486.6
10	9.96	31.91	24.57	337.5	.36	.02	1486.5
20	9.43	32.29	24.95	301.5	.67	.06	1485.1
30	9.39	32.29	24.96	300.6	.97	.14	1485.2
50	8.92	32.55	25.24	274.8	1.55	.37	1484.0
75	8.67	32.79	25.46	253.8	2.22	.78	1483.8
100	8.40	33.41	25.99	204.3	2.79	1.28	1484.0
125	7.99	33.63	26.23	182.0	3.27	1.83	1483.1
150	7.54	33.79	26.41	164.8	3.71	2.42	1482.0
175	7.25	33.85	26.50	156.8	4.11	3.07	1481.4
200	6.69	33.93	26.64	143.3	4.48	3.77	1479.7
225	6.41	33.95	26.70	138.5	4.83	4.52	1479.0
250	6.25	33.96	26.73	136.0	5.18	5.33	1478.8
300	5.88	33.97	26.78	131.8	5.84	7.17	1478.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
345.9	5.47	34.06	26.86	124.4	6.43	9.07	1477.3

WIND MIXED LAYER DEPTH = 4.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

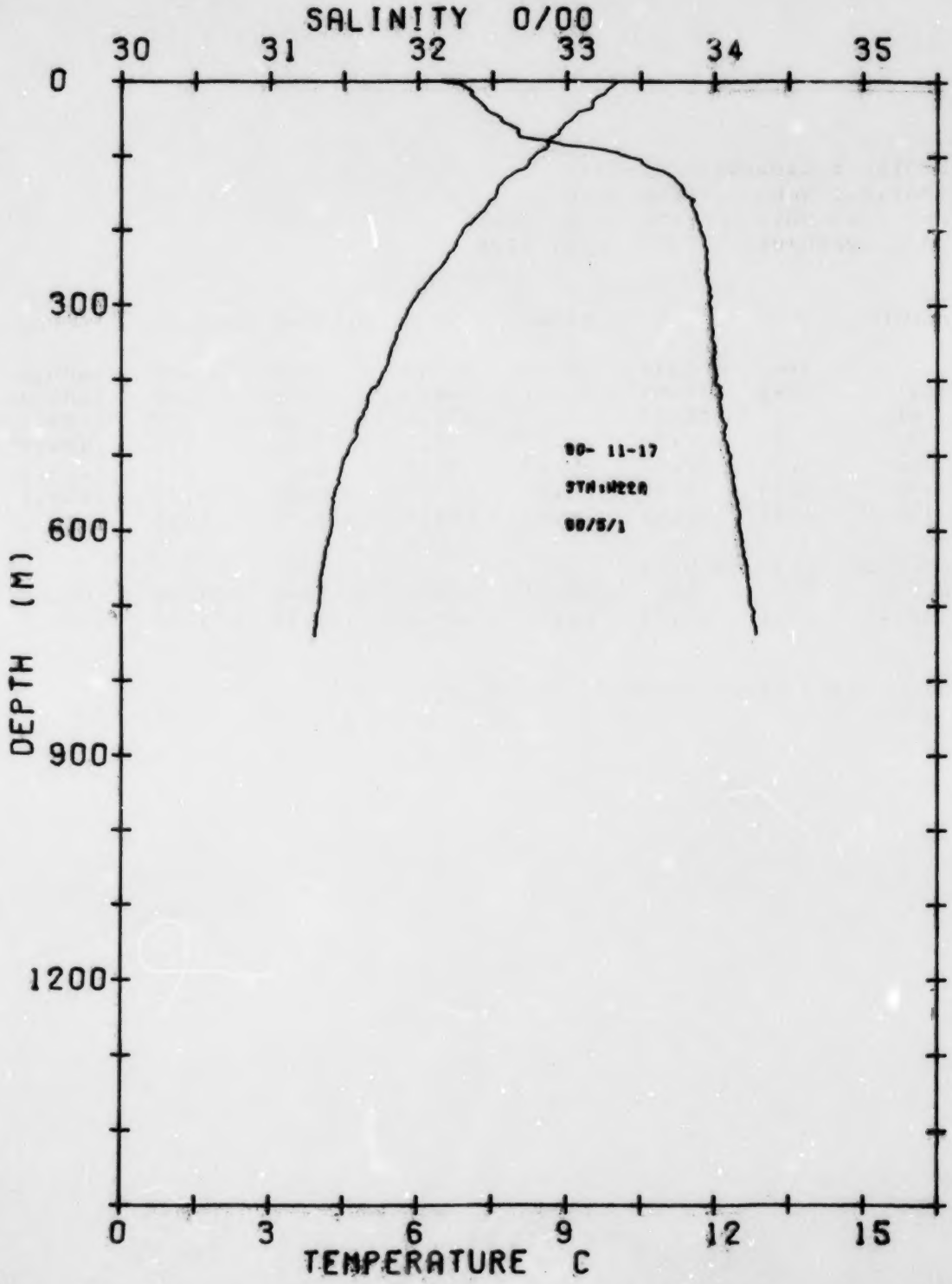
CRUISE : C.O.D.E. 80-11.
STATION: W60B COMS #016
LAT N 49 08.9 LONG W 126 38.6
DATE 80/05/01 TIME (PST) 1126

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.87	31.76	24.47	347.3	.00	.00	1485.8
10	9.49	31.69	24.47	346.9	.36	.02	1484.4
20	9.37	32.13	24.84	312.6	.68	.07	1484.7
30	9.25	32.30	24.99	298.3	.99	.14	1484.7
50	9.19	32.52	25.17	280.9	1.57	.37	1485.0
75	8.70	32.90	25.55	245.9	2.24	.79	1484.1
100	8.41	33.54	26.09	194.9	2.78	1.26	1484.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
121.4	7.97	33.71	26.29	176.4	3.17	1.69	1483.1

WIND MIXED LAYER DEPTH = 5.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 11-17
STA:W22A
90/5/1
0
3
6
9
12
15
TEMPERATURE C

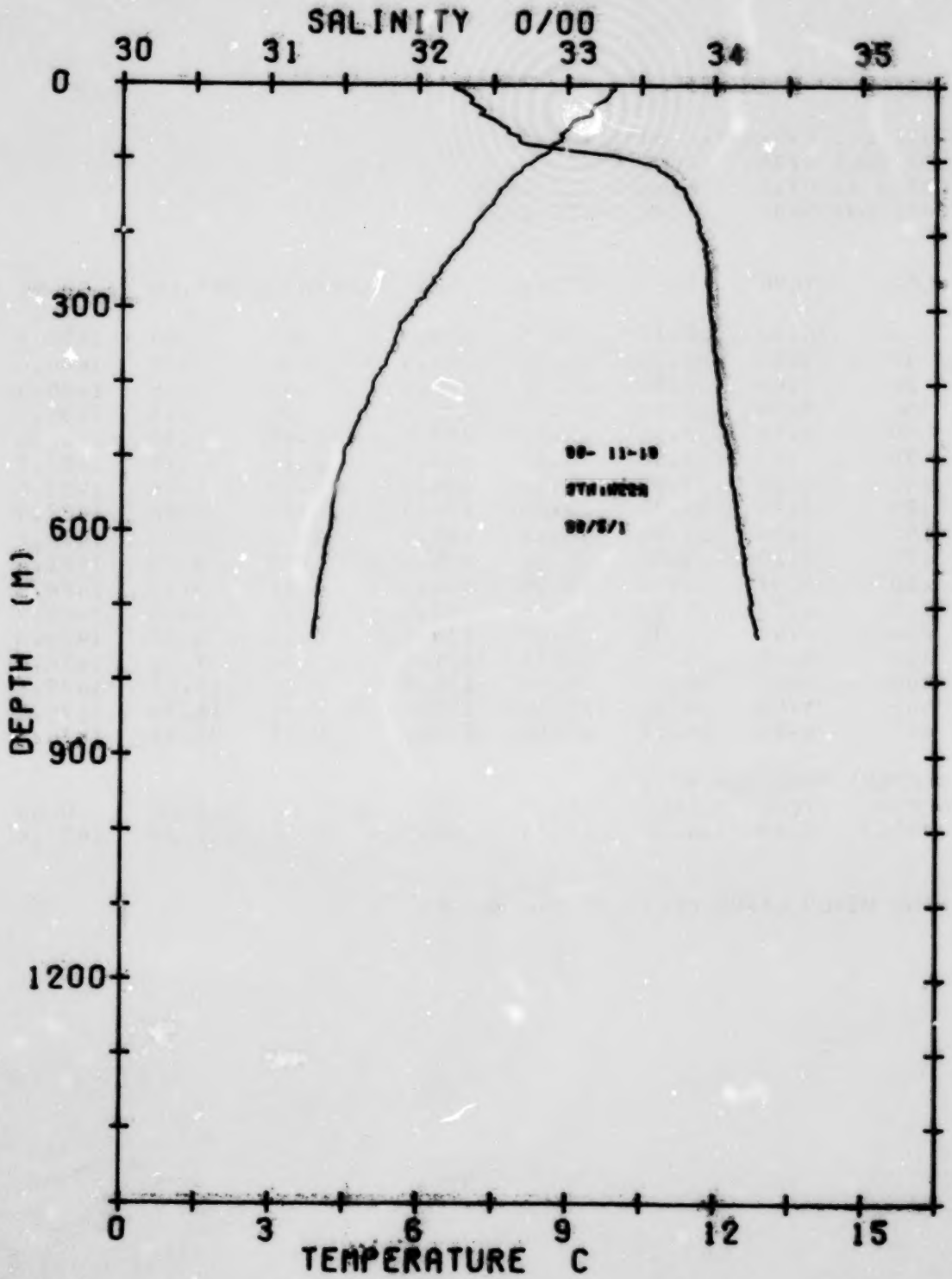
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #017
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 1832

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.02	32.17	24.77	318.6	.00	.00	1486.8
10	9.85	32.33	24.92	304.4	.31	.02	1486.6
20	9.64	32.35	24.97	299.8	.61	.06	1486.0
30	9.54	32.42	25.04	293.4	.91	.13	1485.9
50	9.12	32.56	25.21	277.4	1.48	.36	1484.8
75	8.67	32.68	25.38	261.7	2.15	.78	1483.7
100	8.35	33.39	25.98	204.9	2.73	1.28	1483.8
125	7.90	33.70	26.29	176.0	3.21	1.82	1482.9
150	7.59	33.79	26.41	165.0	3.63	2.40	1482.2
175	7.29	33.87	26.51	155.6	4.03	3.05	1481.5
200	6.91	33.90	26.59	148.3	4.41	3.76	1480.5
225	6.72	33.95	26.65	142.9	4.77	4.53	1480.2
250	6.44	33.95	26.69	139.4	5.12	5.37	1479.5
300	5.85	33.96	26.77	131.8	5.80	7.22	1478.0
400	5.22	34.01	26.89	121.4	7.06	11.62	1477.1
500	4.53	34.10	27.04	107.6	8.20	16.76	1476.0
600	4.23	34.17	27.13	100.2	9.23	22.43	1476.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
740.7	3.89	34.26	27.25	88.9	10.56	31.29	1477.5

WIND MIXED LAYER DEPTH = 3.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

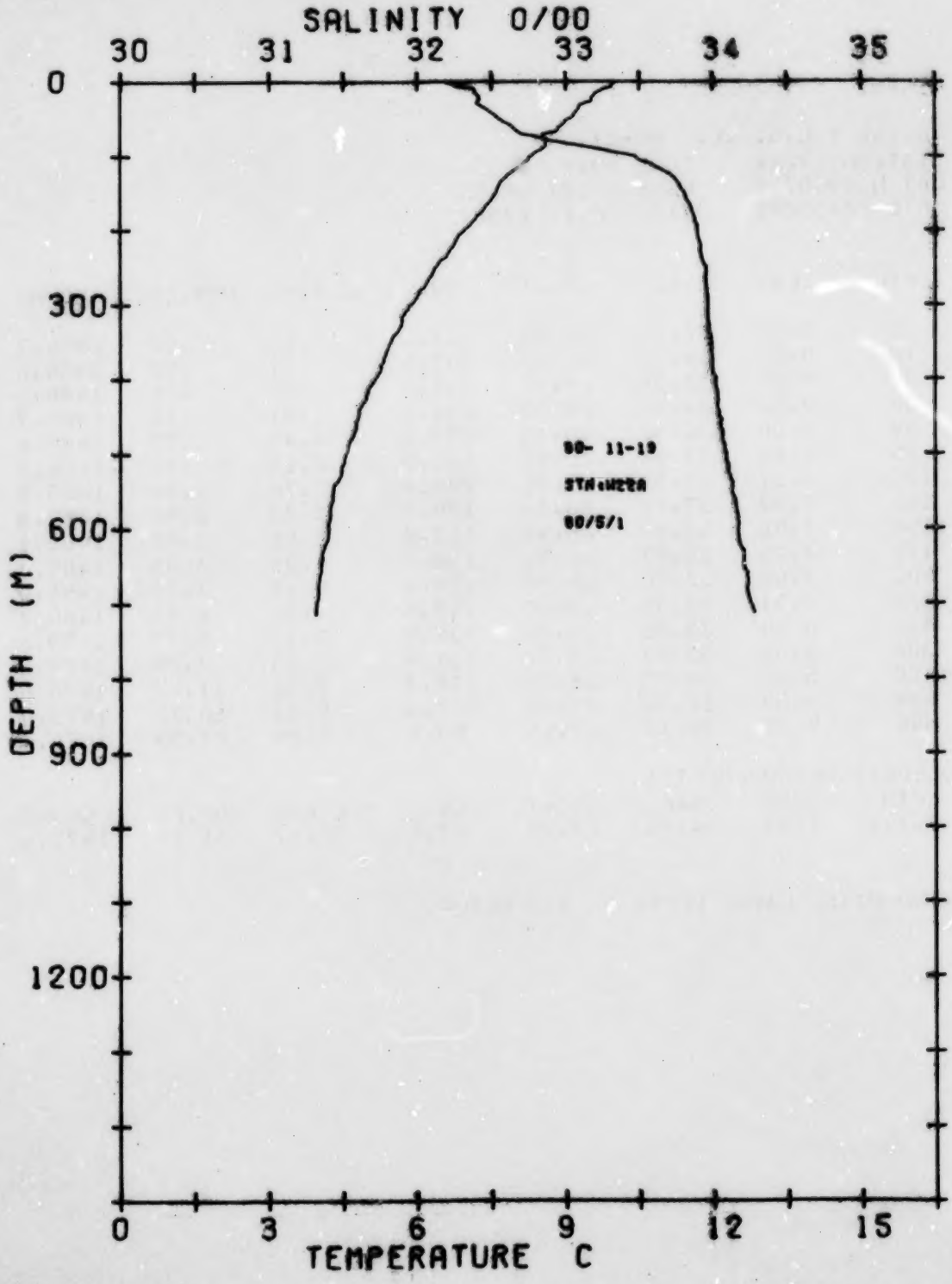
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #018
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 1908

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.95	32.24	24.84	312.4	.00	.00	1486.7
10	9.88	32.30	24.89	307.6	.31	.02	1486.6
20	9.80	32.36	24.95	301.6	.62	.06	1486.6
30	9.50	32.40	25.03	294.6	.91	.14	1485.7
50	9.08	32.52	25.19	279.8	1.49	.37	1484.6
75	8.84	32.67	25.35	265.0	2.17	.79	1484.3
100	8.37	33.39	25.98	204.9	2.76	1.30	1483.9
125	7.87	33.71	26.30	174.9	3.23	1.83	1482.8
150	7.56	33.80	26.42	163.8	3.65	2.41	1482.1
175	7.25	33.87	26.52	154.9	4.05	3.05	1481.4
200	7.02	33.90	26.57	150.4	4.43	3.77	1481.0
225	6.71	33.94	26.65	143.5	4.80	4.55	1480.2
250	6.44	33.95	26.69	139.5	5.15	5.39	1479.5
300	5.90	33.97	26.78	131.4	5.83	7.25	1478.2
400	5.08	34.03	26.92	118.3	7.08	11.62	1476.6
500	4.50	34.10	27.04	107.4	8.22	16.72	1475.9
600	4.20	34.18	27.14	99.1	9.25	22.39	1476.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
741.1	3.87	34.30	27.27	87.6	10.57	31.24	1477.5

WIND MIXED LAYER DEPTH = 5.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-19
STA.W22A
80/5/1
0
3
6
9
12
15
TEMPERATURE C

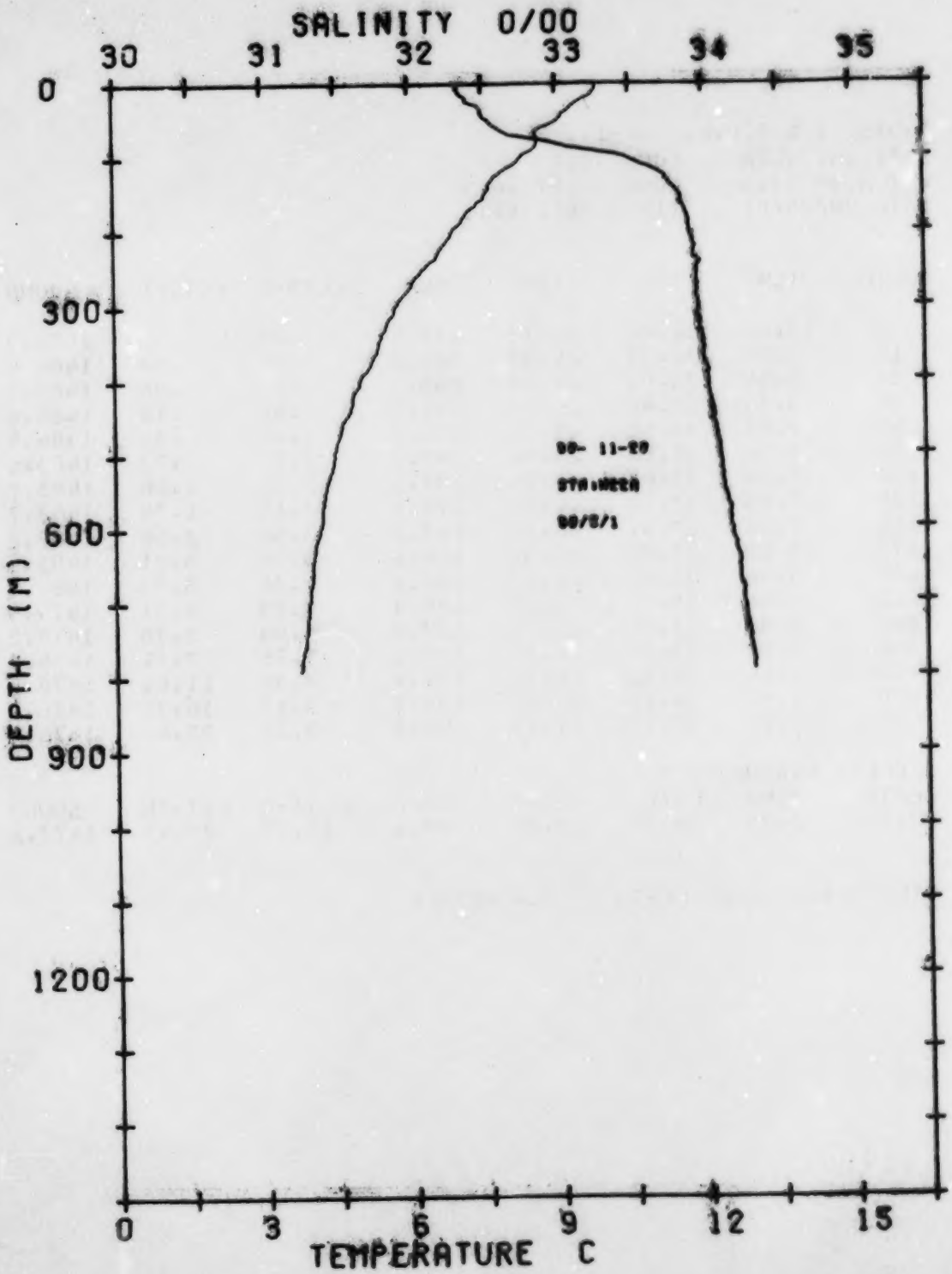
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #019
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 1941

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.02	32.20	24.79	317.1	.00	.00	1486.9
10	9.78	32.37	24.97	300.2	.31	.02	1486.4
20	9.54	32.42	25.04	293.5	.61	.06	1485.7
30	9.30	32.40	25.07	291.0	.90	.13	1485.0
50	9.04	32.55	25.22	276.7	1.47	.36	1484.5
75	8.58	32.83	25.51	249.7	2.13	.77	1483.5
100	8.29	33.47	26.06	197.8	2.69	1.26	1483.7
125	7.85	33.71	26.31	174.1	3.16	1.79	1482.7
150	7.58	33.81	26.42	163.6	3.58	2.36	1482.2
175	7.28	33.86	26.51	156.1	3.98	3.01	1481.5
200	6.96	33.89	26.57	150.0	4.36	3.73	1480.7
225	6.66	33.92	26.64	144.4	4.73	4.51	1479.9
250	6.36	33.96	26.71	137.8	5.09	5.35	1479.2
300	5.86	33.97	26.78	131.5	5.76	7.21	1478.0
400	5.14	34.03	26.91	119.4	7.02	11.61	1476.8
500	4.57	34.10	27.03	108.7	8.17	16.75	1476.2
600	4.21	34.17	27.13	99.9	9.20	22.44	1476.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
713.0	3.92	34.28	27.25	89.5	10.27	29.47	1477.2

WIND MIXED LAYER DEPTH = 5.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

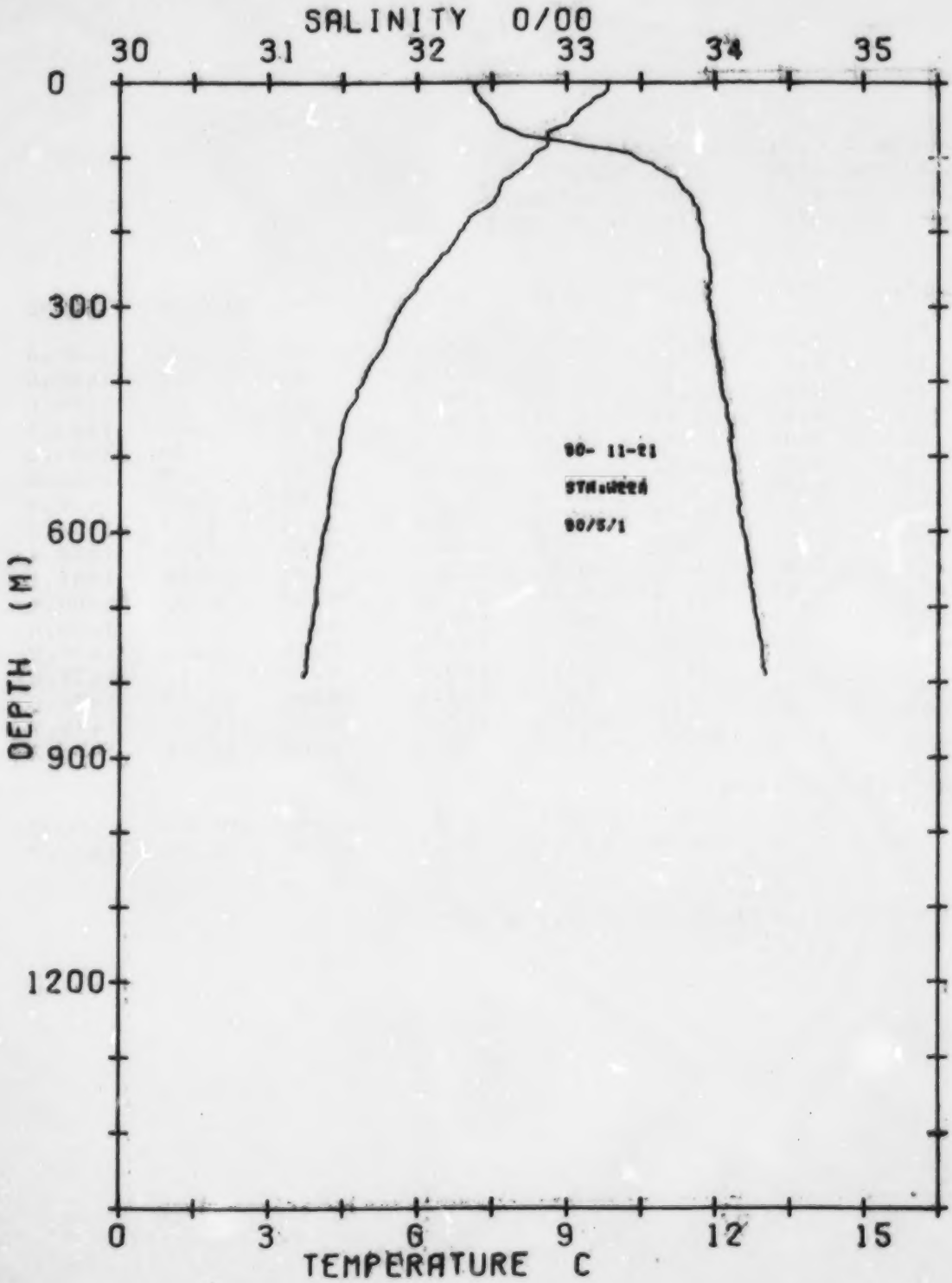
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #020
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 2101

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.84	32.33	24.92	304.6	.00	.00	1486.4
10	9.80	32.34	24.93	303.1	.30	.02	1486.4
20	9.62	32.39	25.01	296.4	.60	.06	1486.0
30	9.36	32.47	25.11	286.7	.90	.13	1485.3
50	9.06	32.54	25.21	277.3	1.46	.36	1484.6
75	8.64	32.87	25.53	247.2	2.12	.77	1483.8
100	8.29	33.48	26.06	197.2	2.69	1.26	1483.7
125	7.74	33.75	26.35	170.1	3.14	1.78	1482.3
150	7.54	33.85	26.46	160.2	3.56	2.34	1482.1
175	7.16	33.89	26.55	152.1	3.95	2.98	1481.1
200	6.87	33.91	26.60	147.4	4.33	3.68	1480.4
225	6.62	33.93	26.65	142.8	4.69	4.45	1479.8
250	6.28	33.95	26.71	137.5	5.04	5.28	1478.9
300	5.71	33.97	26.80	129.4	5.70	7.11	1477.4
400	4.99	34.03	26.93	117.4	6.94	11.43	1476.2
500	4.46	34.10	27.05	107.1	8.06	16.44	1475.7
600	4.15	34.19	27.15	98.0	9.08	22.04	1476.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
790.3	3.71	34.33	27.31	84.1	10.79	33.95	1477.7

WIND MIXED LAYER DEPTH = 8.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 11-21
STN.WEEA
90/5/1
0
3
6
9
12
15
TEMPERATURE C

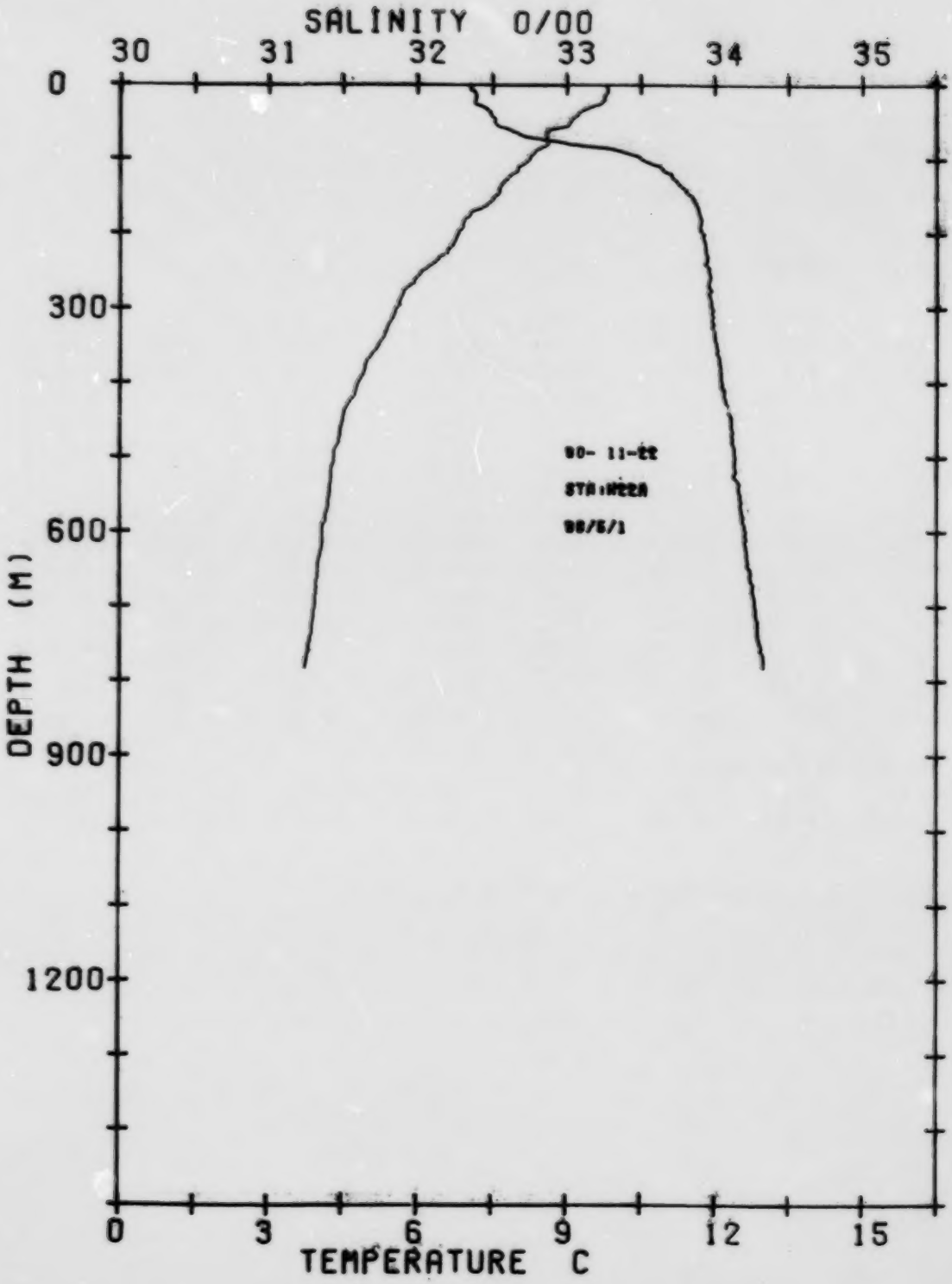
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS 4021
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 2202

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.83	32.40	24.97	299.3	.00	.00	1486.4
10	9.84	32.38	24.96	300.9	.30	.02	1486.6
20	9.57	32.42	25.03	293.9	.60	.06	1485.8
30	9.43	32.46	25.09	288.8	.89	.13	1485.5
50	9.11	32.53	25.19	279.1	1.46	.36	1484.7
75	8.61	32.83	25.50	249.9	2.13	.77	1483.7
100	8.30	33.46	26.04	199.0	2.68	1.26	1483.7
125	7.91	33.69	26.28	176.6	3.15	1.78	1482.9
150	7.63	33.83	26.43	162.7	3.57	2.36	1482.4
175	7.15	33.89	26.55	151.9	3.96	3.00	1481.0
200	6.85	33.92	26.61	146.5	4.34	3.70	1480.3
225	6.62	33.93	26.65	142.8	4.70	4.47	1479.8
250	6.26	33.96	26.72	136.4	5.05	5.29	1478.8
300	5.67	33.96	26.80	129.7	5.71	7.12	1477.3
400	4.91	34.03	26.94	116.5	6.93	11.39	1475.9
500	4.42	34.12	27.07	105.0	8.02	16.29	1475.6
600	4.10	34.19	27.16	96.9	9.03	21.84	1476.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
792.9	3.68	34.34	27.32	83.0	10.77	33.90	1477.6

WIND MIXED LAYER DEPTH = 8.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

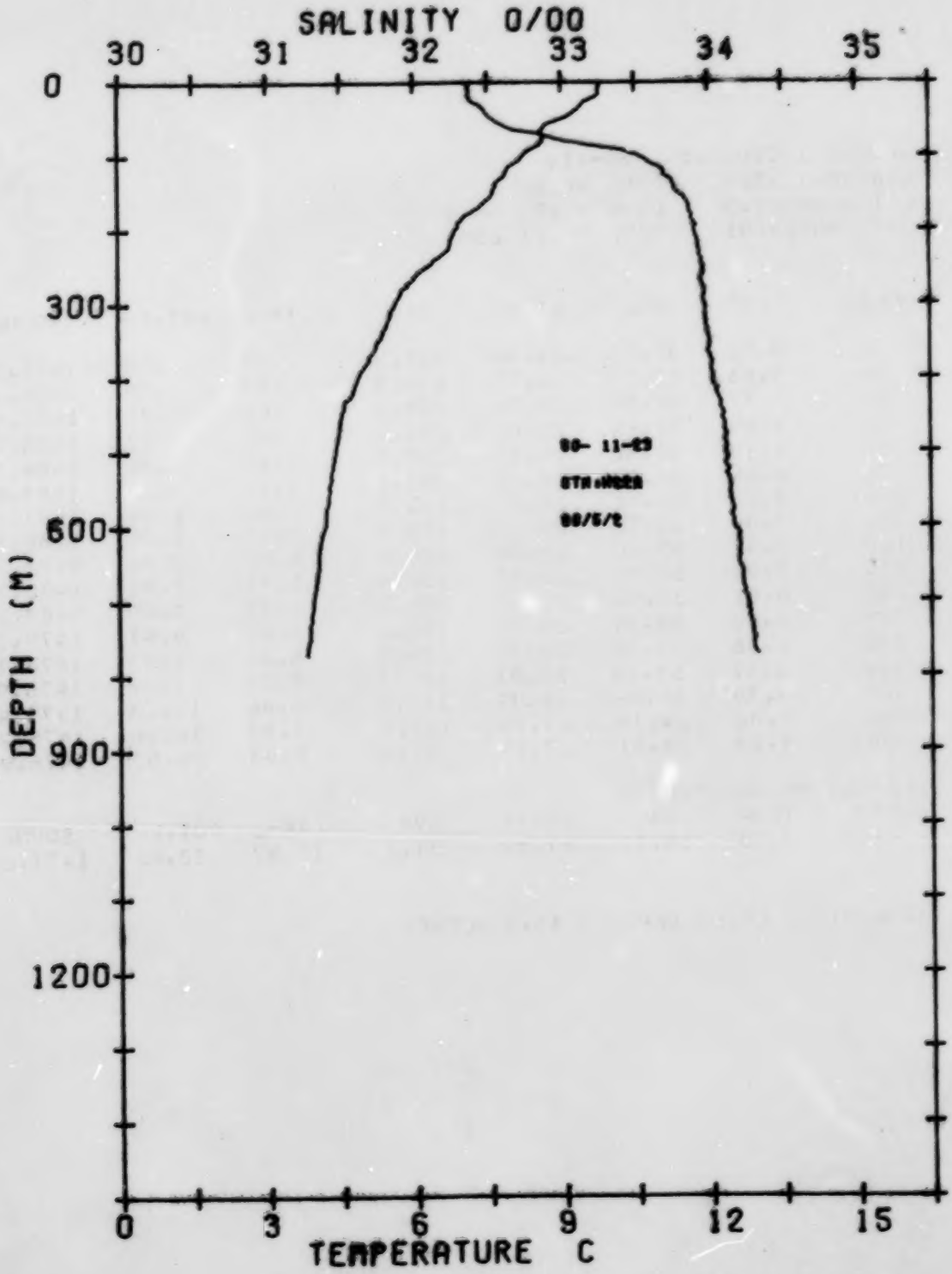
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #022
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/01 TIME (PST) 2303

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.82	32.35	24.94	302.7	.00	.00	1486.3
10	9.83	32.39	24.97	299.9	.30	.02	1486.6
20	9.77	32.39	24.98	298.8	.60	.06	1486.5
30	9.49	32.45	25.07	290.9	.90	.13	1485.7
50	9.10	32.52	25.19	279.7	1.47	.36	1484.7
75	8.64	32.93	25.58	243.1	2.13	.77	1483.9
100	8.25	33.51	26.09	194.9	2.66	1.24	1483.6
125	7.84	33.72	26.32	173.7	3.12	1.75	1482.7
150	7.57	33.85	26.46	160.6	3.54	2.32	1482.2
175	7.06	33.90	26.57	150.6	3.93	2.95	1480.7
200	6.81	33.92	26.62	145.4	4.30	3.65	1480.1
225	6.60	33.94	26.66	141.6	4.65	4.41	1479.7
250	6.08	33.96	26.75	134.1	5.00	5.23	1478.1
300	5.57	33.99	26.83	126.3	5.65	7.02	1476.9
400	4.79	34.05	26.97	113.9	6.86	11.23	1475.4
500	4.32	34.14	27.09	102.8	7.93	16.06	1475.2
600	4.09	34.21	27.17	95.9	8.93	21.53	1476.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
781.2	3.73	34.33	27.30	84.2	10.57	32.82	1477.6

WIND MIXED LAYER DEPTH = 16.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

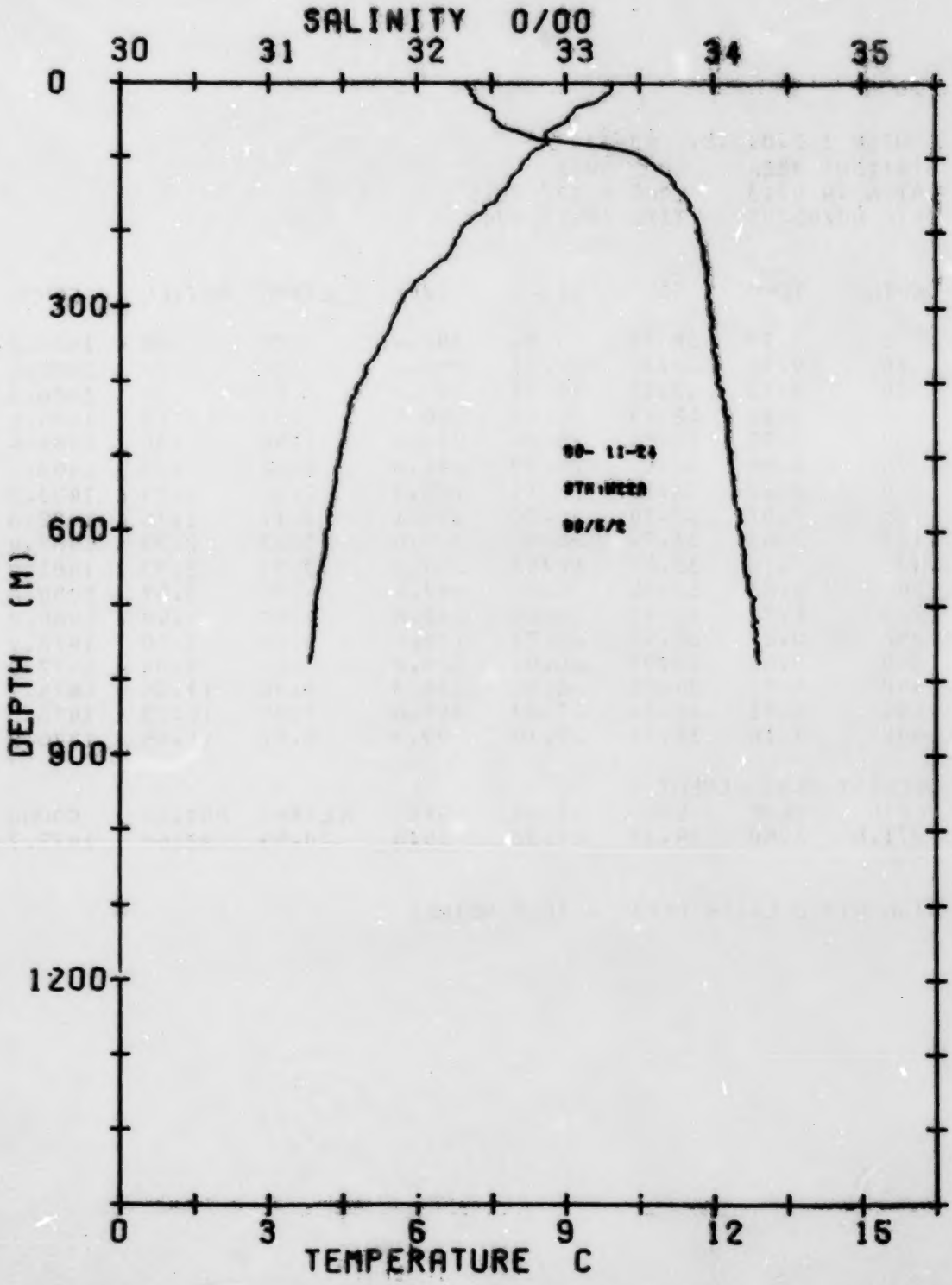
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #023
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/02 TIME (PST) 0005

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.79	32.34	24.94	302.4	.00	.00	1486.2
10	9.78	32.38	24.97	299.6	.30	.02	1486.4
20	9.73	32.37	24.97	299.9	.60	.06	1486.3
30	9.43	32.44	25.07	290.5	.89	.13	1485.5
50	9.02	32.53	25.20	278.0	1.46	.36	1484.4
75	8.65	32.95	25.59	241.6	2.12	.77	1483.9
100	8.22	33.53	26.11	192.7	2.66	1.24	1483.5
125	7.87	33.70	26.30	175.1	3.11	1.75	1482.8
150	7.63	33.79	26.40	165.6	3.53	2.33	1482.4
175	7.19	33.87	26.53	154.2	3.93	2.97	1481.2
200	6.83	33.90	26.60	147.6	4.30	3.67	1480.2
225	6.71	33.93	26.64	143.8	4.67	4.44	1480.2
250	6.27	33.97	26.73	135.6	5.02	5.28	1478.9
300	5.60	33.97	26.81	128.0	5.68	7.09	1477.0
400	4.87	34.03	26.94	116.3	6.90	11.35	1475.7
500	4.41	34.12	27.07	104.6	7.99	16.23	1475.5
600	4.16	34.17	27.14	99.2	9.01	21.85	1476.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
771.6	3.80	34.33	27.30	85.0	10.59	32.66	1477.7

WIND MIXED LAYER DEPTH = 16.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

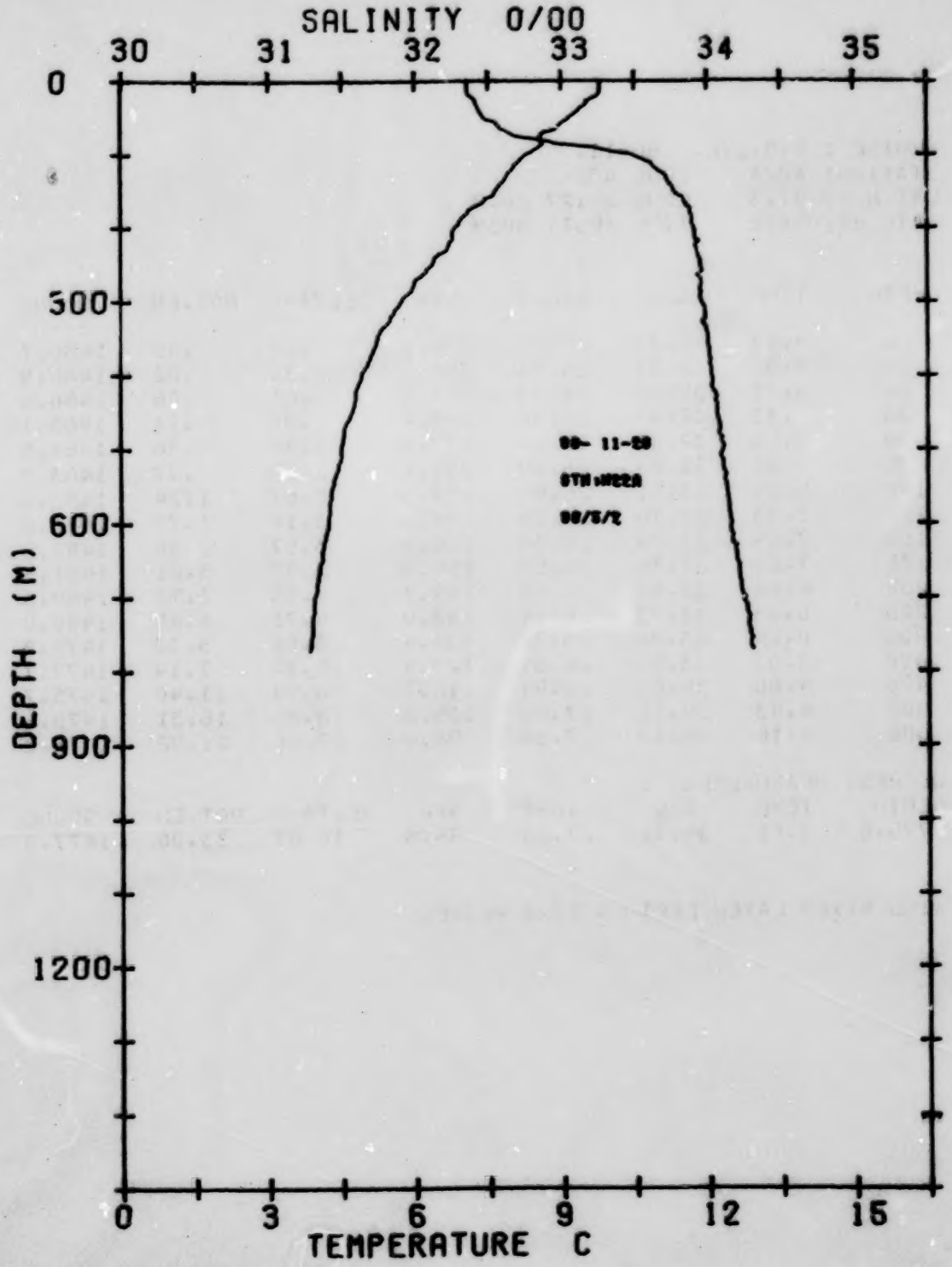
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #024
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/02 TIME (PST) 0059

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.93	32.33	24.90	306.0	.00	.00	1486.7
10	9.92	32.37	24.94	302.6	.30	.02	1486.9
20	9.72	32.40	24.99	297.8	.61	.06	1486.4
30	9.33	32.45	25.09	288.4	.90	.13	1485.1
50	9.05	32.51	25.19	279.5	1.46	.36	1484.5
75	8.62	32.81	25.49	251.4	2.13	.77	1483.7
100	8.25	33.51	26.09	194.5	2.67	1.24	1483.6
125	7.93	33.70	26.29	176.2	3.14	1.77	1483.0
150	7.69	33.79	26.39	166.6	3.57	2.36	1482.6
175	7.29	33.86	26.50	156.5	3.97	3.01	1481.5
200	6.88	33.88	26.58	149.7	4.35	3.72	1480.3
225	6.68	33.93	26.64	143.9	4.71	4.49	1480.0
250	6.26	33.96	26.72	136.4	5.06	5.33	1478.8
300	5.63	33.97	26.81	128.4	5.72	7.14	1477.1
400	4.86	34.02	26.94	116.5	6.94	11.40	1475.7
500	4.43	34.11	27.06	105.8	8.03	16.31	1475.6
600	4.16	34.18	27.14	98.9	9.06	21.92	1476.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
775.0	3.81	34.31	27.28	86.8	10.67	33.00	1477.8

WIND MIXED LAYER DEPTH = 17.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

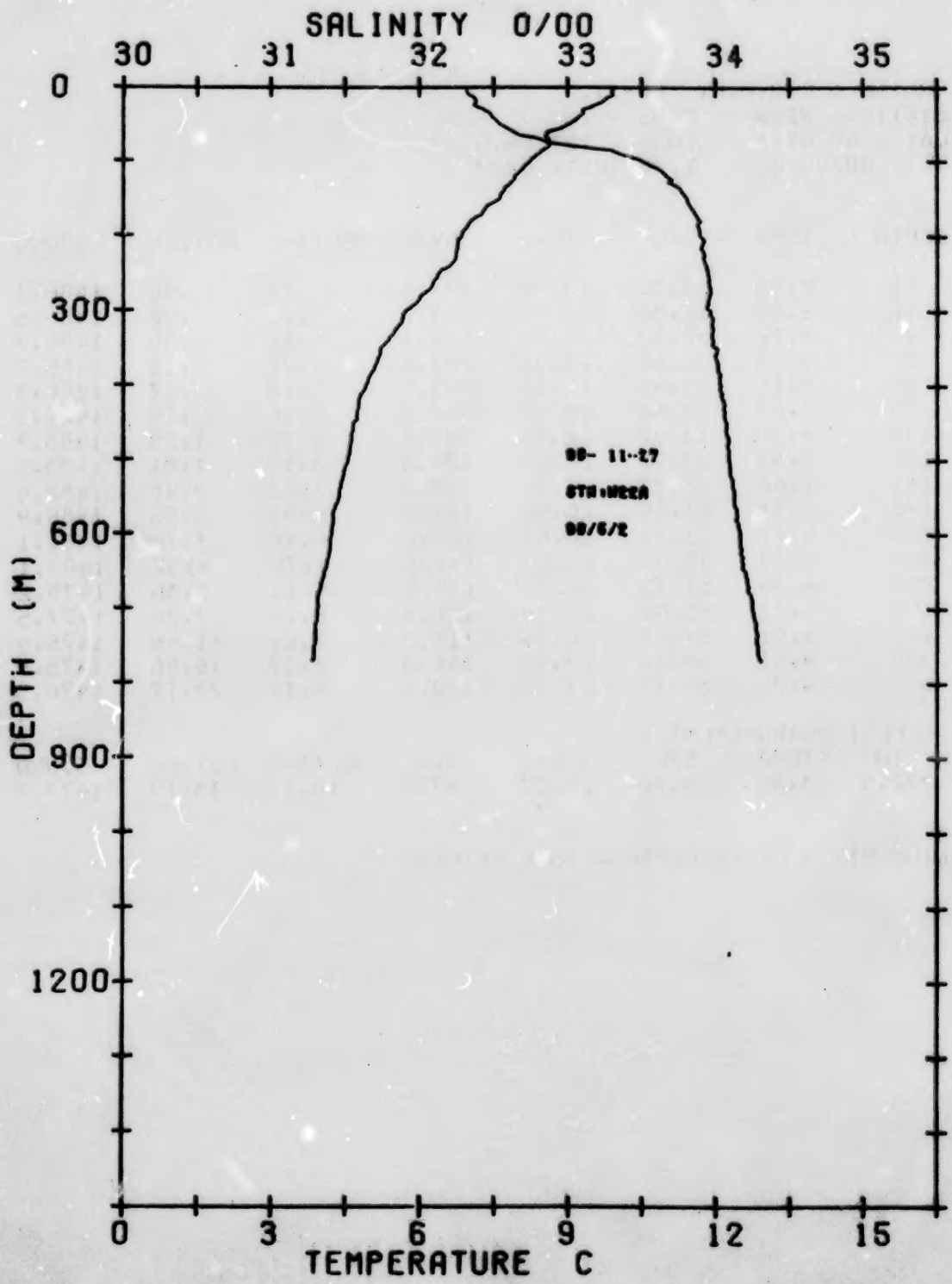
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS 4026
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/02 TIME (PST) 0207

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.82	32.36	24.95	301.6	.00	.00	1486.3
10	9.82	32.36	24.95	301.6	.30	.02	1486.5
20	9.75	32.37	24.97	300.0	.60	.06	1486.4
30	9.53	32.42	25.04	293.6	.90	.13	1485.8
50	9.16	32.46	25.14	283.9	1.48	.37	1484.9
75	8.58	32.66	25.40	260.2	2.16	.79	1483.3
100	8.30	33.47	26.05	198.1	2.73	1.29	1483.7
125	7.93	33.70	26.29	176.3	3.19	1.81	1483.0
150	7.66	33.77	26.38	167.8	3.62	2.40	1482.4
175	7.11	33.89	26.56	151.5	4.02	3.05	1480.9
200	6.81	33.91	26.61	146.8	4.40	3.75	1480.1
225	6.70	33.92	26.64	144.5	4.76	4.52	1480.1
250	6.36	33.95	26.70	138.5	5.11	5.36	1479.2
300	5.73	33.96	26.79	130.4	5.78	7.20	1477.5
400	4.91	34.03	26.94	116.5	7.01	11.46	1475.9
500	4.51	34.11	27.05	106.8	8.12	16.46	1475.9
600	4.22	34.17	27.12	100.4	9.16	22.17	1476.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
772.5	3.83	34.30	27.27	87.6	10.77	33.19	1477.8

WIND MIXED LAYER DEPTH = 16.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

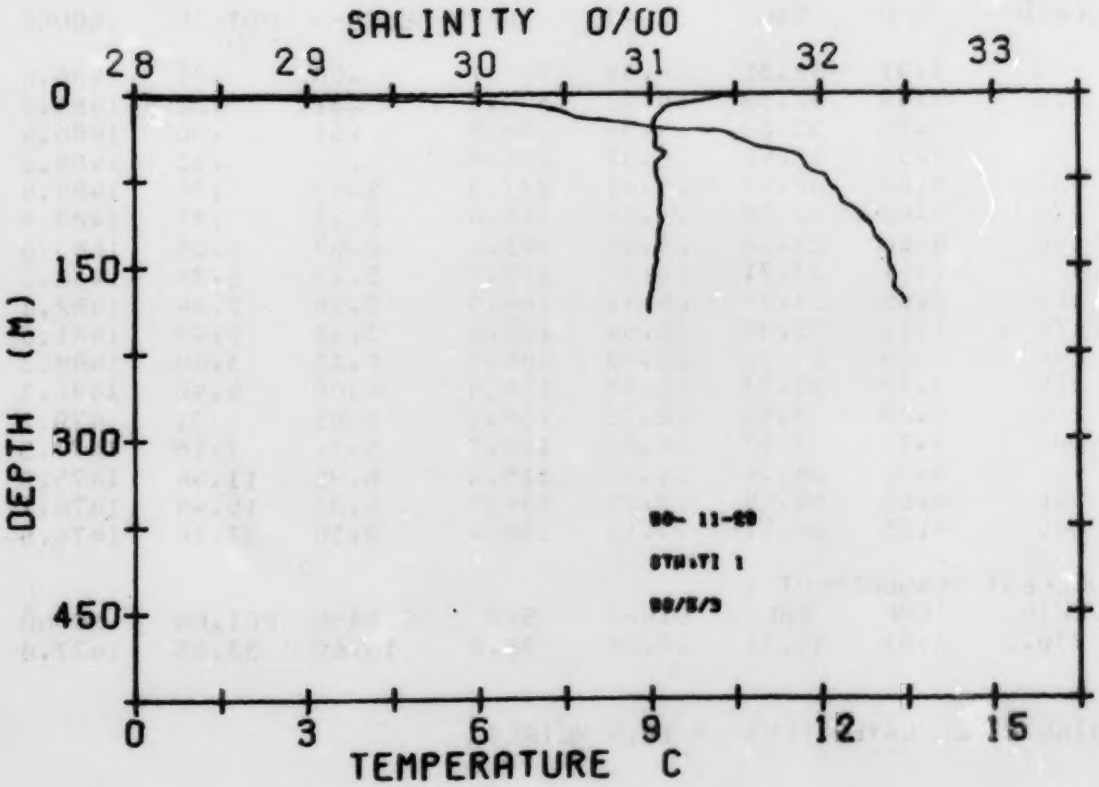
CRUISE : C.O.D.E. 80-11.
STATION: W22A CONS #027
LAT N 49 07.3 LONG W 127 06.5
DATE 80/05/02 TIME (PST) 0300

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.91	32.31	24.89	307.1	.00	.00	1486.6
10	9.93	32.33	24.90	306.0	.31	.02	1486.9
20	9.74	32.39	24.98	298.8	.61	.06	1486.4
30	9.35	32.42	25.07	290.4	.90	.13	1485.2
50	9.02	32.54	25.21	277.3	1.47	.36	1484.4
75	8.63	32.88	25.54	246.6	2.13	.77	1483.8
100	8.26	33.50	26.08	195.6	2.67	1.24	1483.6
125	7.91	33.71	26.29	175.7	3.13	1.76	1482.9
150	7.65	33.81	26.41	164.9	3.55	2.34	1482.4
175	7.15	33.88	26.54	152.8	3.95	2.99	1481.0
200	6.86	33.90	26.60	148.0	4.33	3.69	1480.3
225	6.75	33.93	26.63	144.6	4.69	4.46	1480.3
250	6.39	33.95	26.70	138.5	5.05	5.31	1479.3
300	5.74	33.97	26.80	129.7	5.72	7.16	1477.5
400	4.92	34.04	26.95	115.4	6.95	11.44	1475.9
500	4.55	34.09	27.03	108.9	8.06	16.44	1476.1
600	4.23	34.17	27.12	100.4	9.10	22.16	1476.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
770.2	3.83	34.31	27.28	86.8	10.69	33.03	1477.8

WIND MIXED LAYER DEPTH = 10.4 METRES


SALINITY 0/00
28
29
30
31
32
33
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

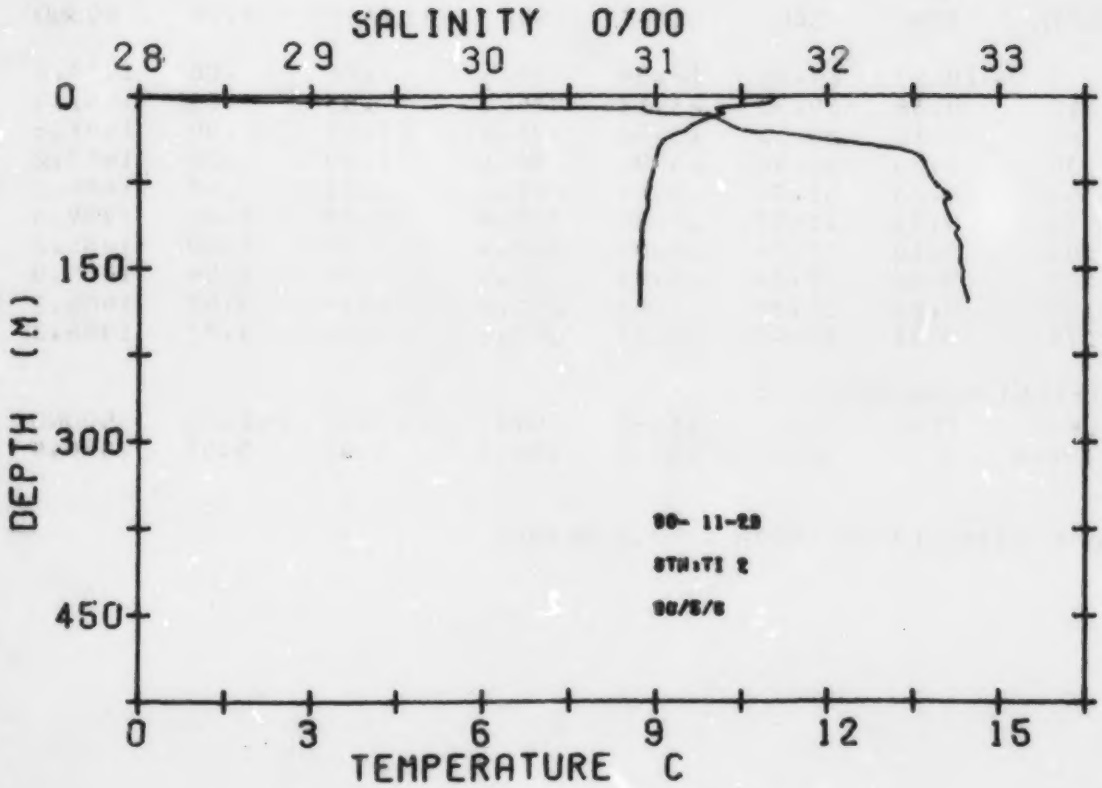
CRUISE : C.O.D.E. 80-11.
STATION: TI 1 CONS #028
LAT N 49 51.9 LONG W 126 39.7
DATE 80/05/03 TIME (PST) 1021

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.67	24.80	18.94	876.5	.00	.00	1480.0
10	9.38	29.93	23.13	475.4	.63	.03	1481.8
20	9.10	30.51	23.62	428.8	1.07	.09	1481.6
30	9.05	30.98	23.99	393.1	1.49	.20	1482.2
50	9.23	31.72	24.54	341.0	2.21	.48	1484.2
75	9.13	31.97	24.75	321.8	3.03	1.00	1484.5
100	9.16	32.14	24.88	309.4	3.82	1.69	1485.2
125	9.16	32.31	25.01	297.5	4.58	2.54	1485.9
150	9.10	32.39	25.08	291.3	5.32	3.55	1486.2
175	9.01	32.42	25.13	287.6	6.04	4.73	1486.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
190.4	8.97	32.47	25.16	284.2	6.48	5.53	1486.4

WIND MIXED LAYER DEPTH = 2.2 METRES


SALINITY 0/00
28
29
30
31
32
33
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

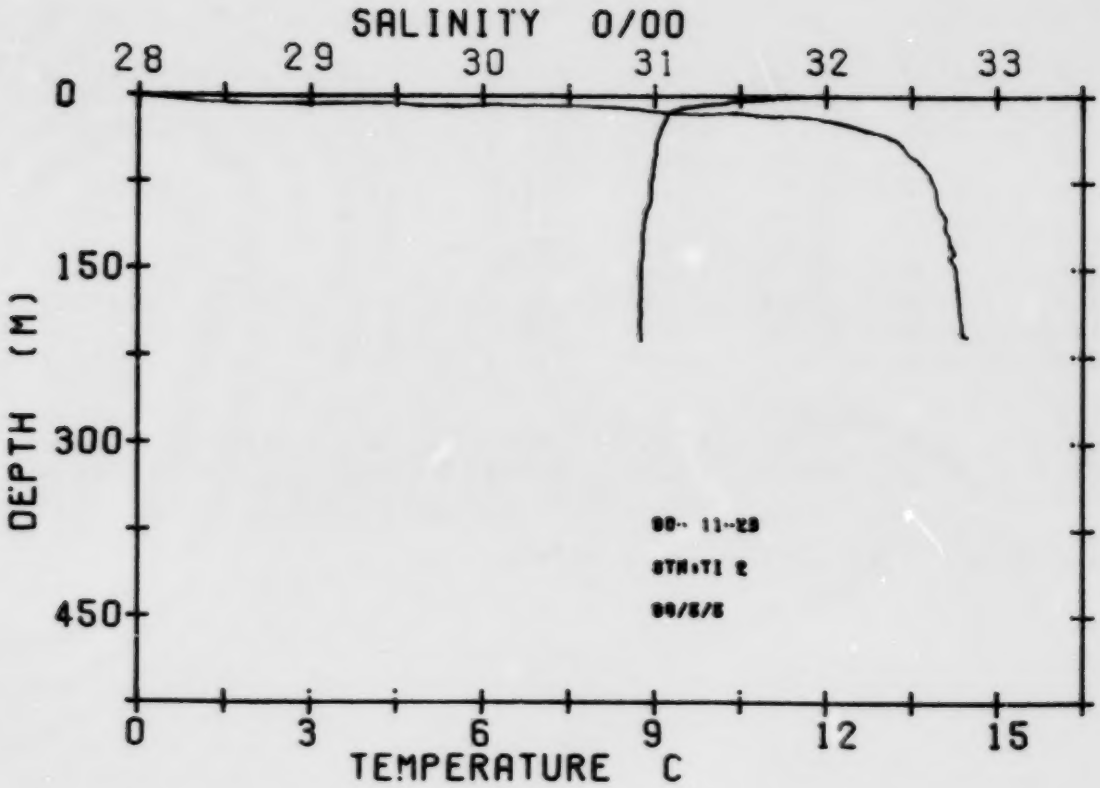
CRUISE : C.O.D.E. 80-11.
STATION: TI 2 CONS 4029
LAT N 49 40.7 LONG W 126 34.4
DATE 80/05/05 TIME (PST) 1127

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.53	24.56	18.61	908.3	.00	.00	1482.8
10	9.55	30.30	23.38	450.9	.66	.03	1482.9
20	9.20	31.73	24.55	339.7	1.05	.08	1483.5
30	9.13	32.17	24.91	305.7	1.37	.16	1484.0
50	9.02	32.47	25.16	281.9	1.95	.40	1484.3
75	8.95	32.61	25.28	271.4	2.64	.83	1484.6
100	8.86	32.68	25.35	265.1	3.31	1.41	1484.8
125	8.80	32.73	25.40	260.9	3.96	2.15	1485.0
150	8.76	32.75	25.42	259.2	4.62	3.05	1485.3
175	8.76	32.76	25.43	259.1	5.26	4.10	1485.7
200	8.74	32.79	25.45	256.9	5.91	5.31	1486.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
212.0	8.75	32.81	25.45	257.7	6.22	5.94	1486.4

WIND MIXED LAYER DEPTH = 4.8 METRES


SALINITY 0/00
28
29
30
31
32
33
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

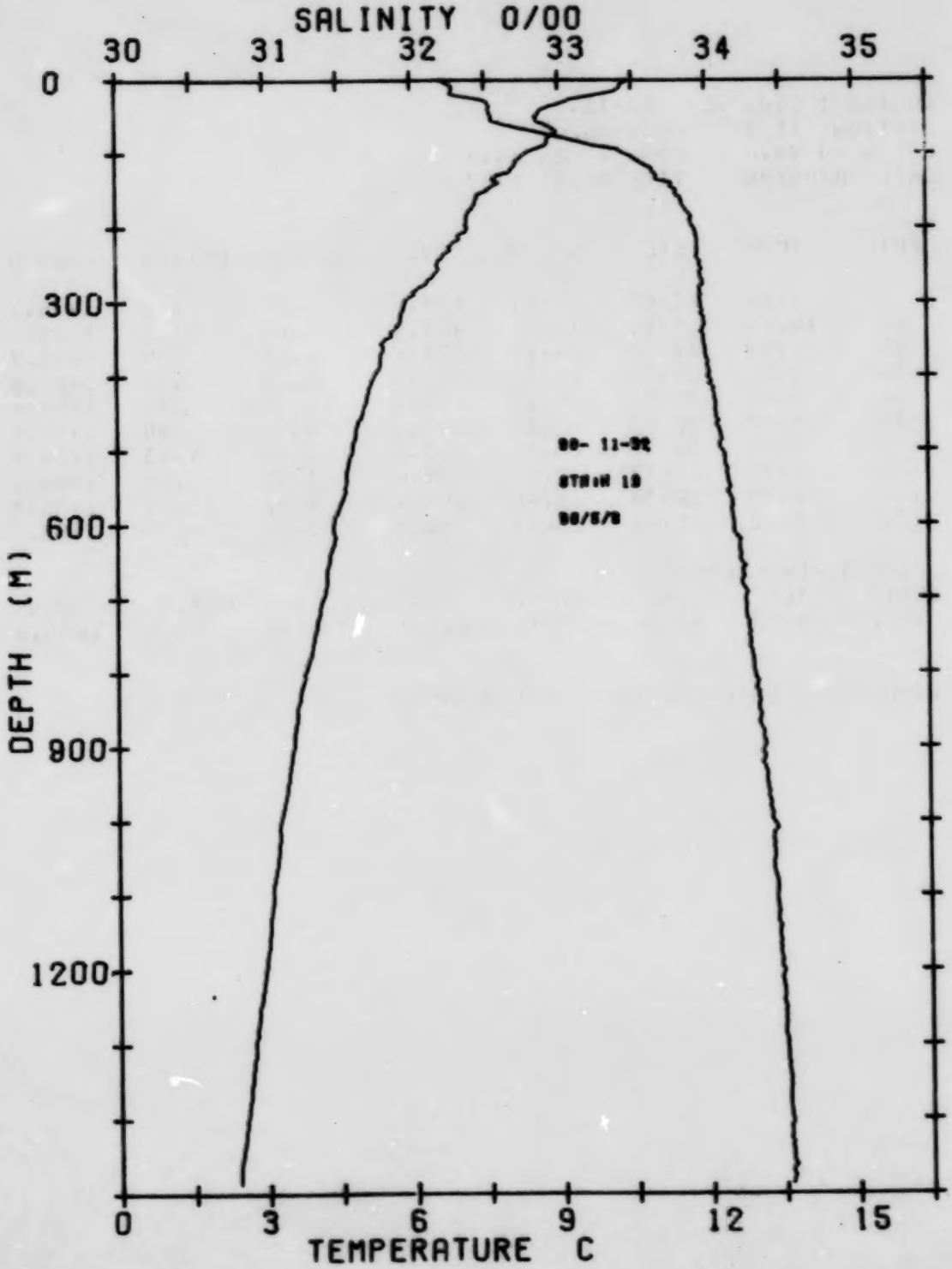
CRUISE : C.O.D.E. 80-11.
STATION: TI 2 CONS #029
LAT N 49 40.8 LONG W 126 34.4
DATE 80/05/06 TIME (PST) 1757

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.10	27.82	21.21	658.6	.00	.00	1485.3
10	10.10	30.71	23.62	428.3	.60	.03	1485.4
20	9.91	31.35	24.15	378.4	1.00	.09	1485.7
30	9.55	31.59	24.39	355.0	1.36	.18	1484.8
50	9.02	32.51	25.19	279.4	1.98	.42	1484.4
75	8.92	32.63	25.30	269.1	2.66	.85	1484.6
100	8.86	32.70	25.36	263.6	3.33	1.43	1484.8
125	8.75	32.77	25.43	257.6	3.98	2.16	1484.9
150	8.73	32.78	25.45	256.4	4.62	3.04	1485.3
175	8.72	32.81	25.47	254.9	5.26	4.09	1485.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
182.5	8.73	32.80	25.46	255.7	5.45	4.43	1485.8

WIND MIXED LAYER DEPTH = 5.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

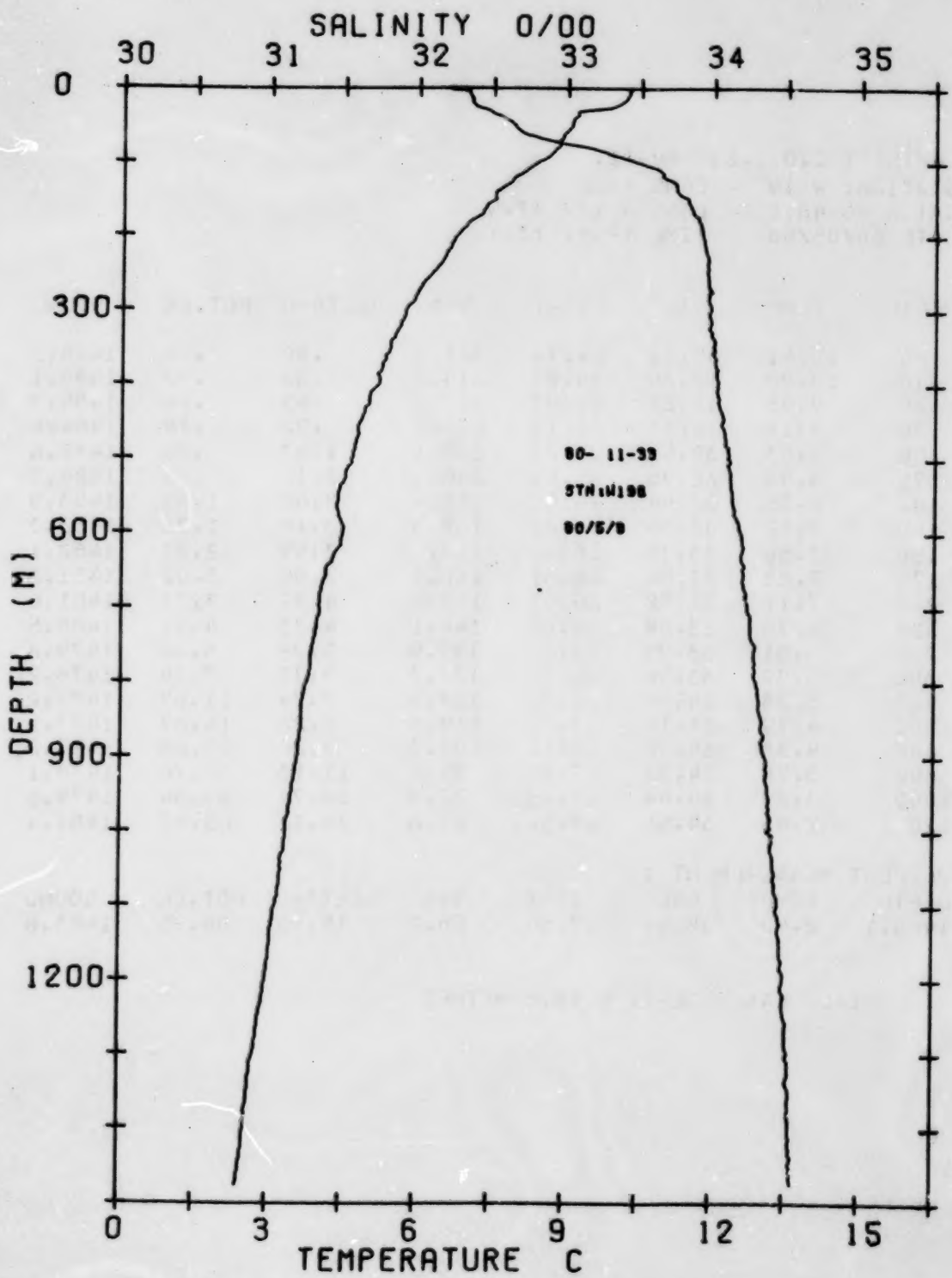
CRUISE : C.O.D.E. 80-11.
STATION: W 19 CONS 4052
LAT N 48 48.0 LONG W 127 37.5
DATE 80/05/08 TIME (PST) 1304

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.41	32.22	24.74	321.3	.00	.00	1488.3
10	10.28	32.29	24.81	314.8	.32	.02	1488.1
20	9.85	32.27	24.87	309.5	.63	.06	1486.7
30	9.17	32.51	25.17	280.9	.92	.14	1484.6
50	8.53	32.55	25.30	269.1	1.47	.35	1482.6
75	8.90	32.95	25.55	245.5	2.12	.76	1484.9
100	8.35	33.44	26.02	201.4	2.68	1.25	1483.9
125	8.02	33.64	26.22	182.3	3.16	1.78	1483.3
150	7.56	33.79	26.42	164.5	3.59	2.37	1482.1
175	7.23	33.86	26.51	155.5	3.99	3.02	1481.3
200	7.17	33.92	26.57	150.9	4.37	3.73	1481.6
225	6.78	33.94	26.64	144.1	4.73	4.51	1480.5
250	6.51	33.95	26.69	139.9	5.09	5.36	1479.8
300	5.89	33.96	26.77	132.3	5.77	7.24	1478.2
400	5.25	34.00	26.88	122.8	7.04	11.67	1477.2
500	4.79	34.10	27.01	110.6	8.20	16.87	1477.1
600	4.38	34.18	27.12	101.0	9.26	22.68	1477.2
800	3.78	34.32	27.29	85.4	11.13	35.76	1478.1
1000	3.29	34.44	27.43	72.9	12.72	50.04	1479.5
1200	2.95	34.50	27.52	65.6	14.13	65.47	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1485.1	2.40	34.54	27.59	58.2	15.88	88.95	1483.8

MIXED LAYER DEPTH = 12.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-33
STN:W198
80/5/8
0
3
6
9
12
15
TEMPERATURE C

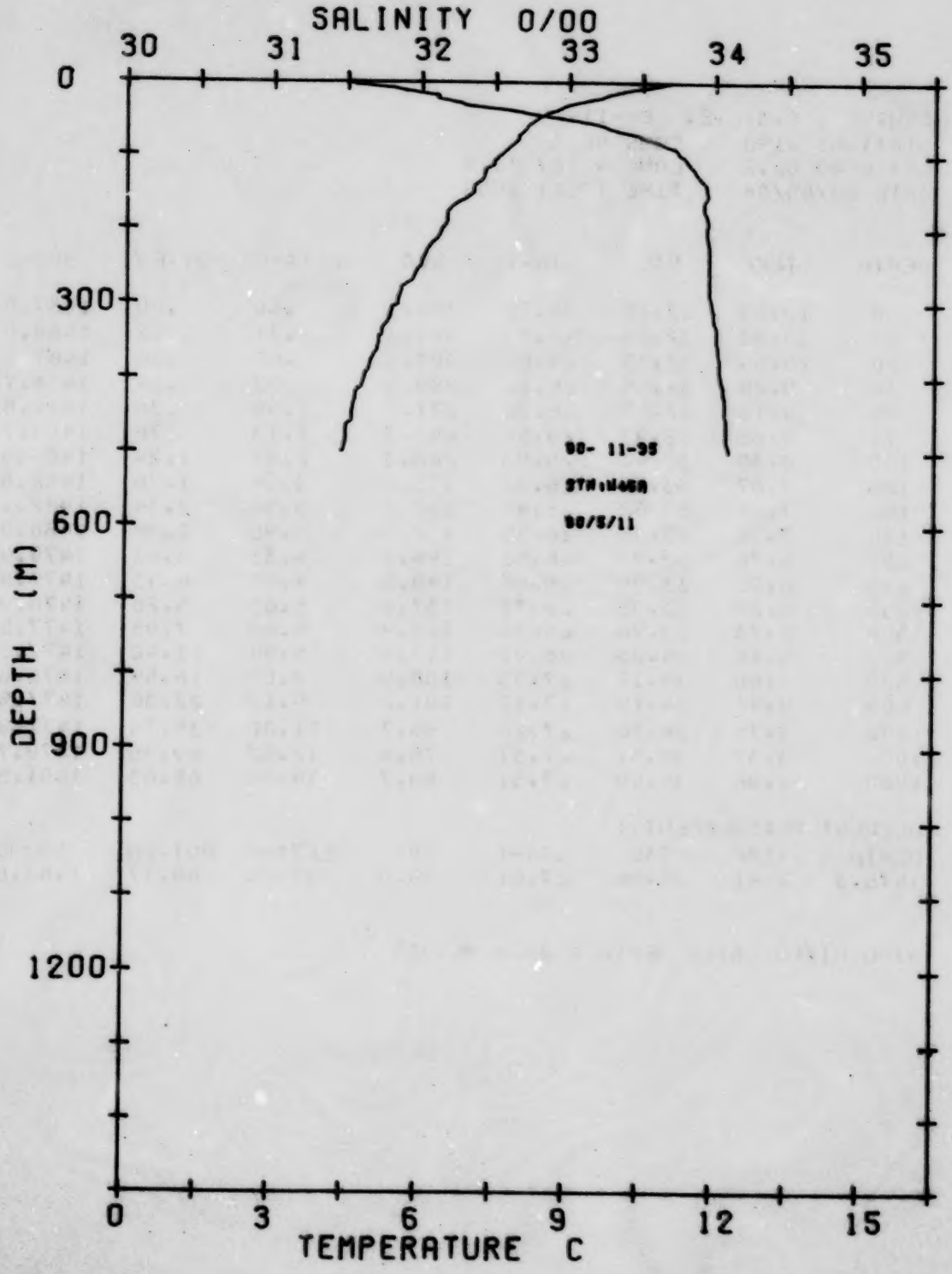
CRUISE : C.O.D.E. 80-11.
STATION: W19B CONS #033
LAT N 49 02.2 LONG W 127 51.0
DATE 80/05/08 TIME (PST) 1558

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.29	32.21	24.75	320.5	.00	.00	1487.9
10	10.23	32.34	24.86	309.8	.31	.02	1488.0
20	10.09	32.35	24.89	307.3	.62	.06	1487.6
30	9.20	32.45	25.12	285.8	.92	.14	1484.7
50	9.10	32.63	25.28	271.2	1.48	.36	1484.8
75	8.85	32.97	25.58	243.3	2.13	.76	1484.7
100	8.39	33.46	26.03	200.3	2.67	1.24	1484.0
125	7.87	33.71	26.30	175.0	3.14	1.76	1482.8
150	7.55	33.82	26.44	162.2	3.56	2.34	1482.1
175	7.12	33.88	26.55	152.3	3.96	2.98	1480.9
200	6.76	33.92	26.63	144.8	4.33	3.68	1479.9
225	6.55	33.95	26.68	140.5	4.68	4.43	1479.5
250	6.29	33.95	26.71	137.4	5.03	5.26	1478.9
300	5.73	33.98	26.80	128.9	5.69	7.08	1477.5
400	5.18	34.03	26.91	119.4	6.94	11.42	1477.0
500	4.66	34.10	27.03	108.9	8.08	16.54	1476.6
600	4.46	34.19	27.12	101.2	9.12	22.30	1477.5
800	3.75	34.30	27.28	86.7	11.00	35.35	1477.9
1000	3.37	34.37	27.37	78.6	12.62	49.95	1479.7
1200	2.96	34.49	27.51	66.7	14.05	65.63	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1475.3	2.41	34.56	27.61	56.9	15.74	88.17	1483.8

WIND MIXED LAYER DEPTH = 20.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 11-95
STN:N46A
90/5/11
0
3
6
9
12
15
TEMPERATURE C

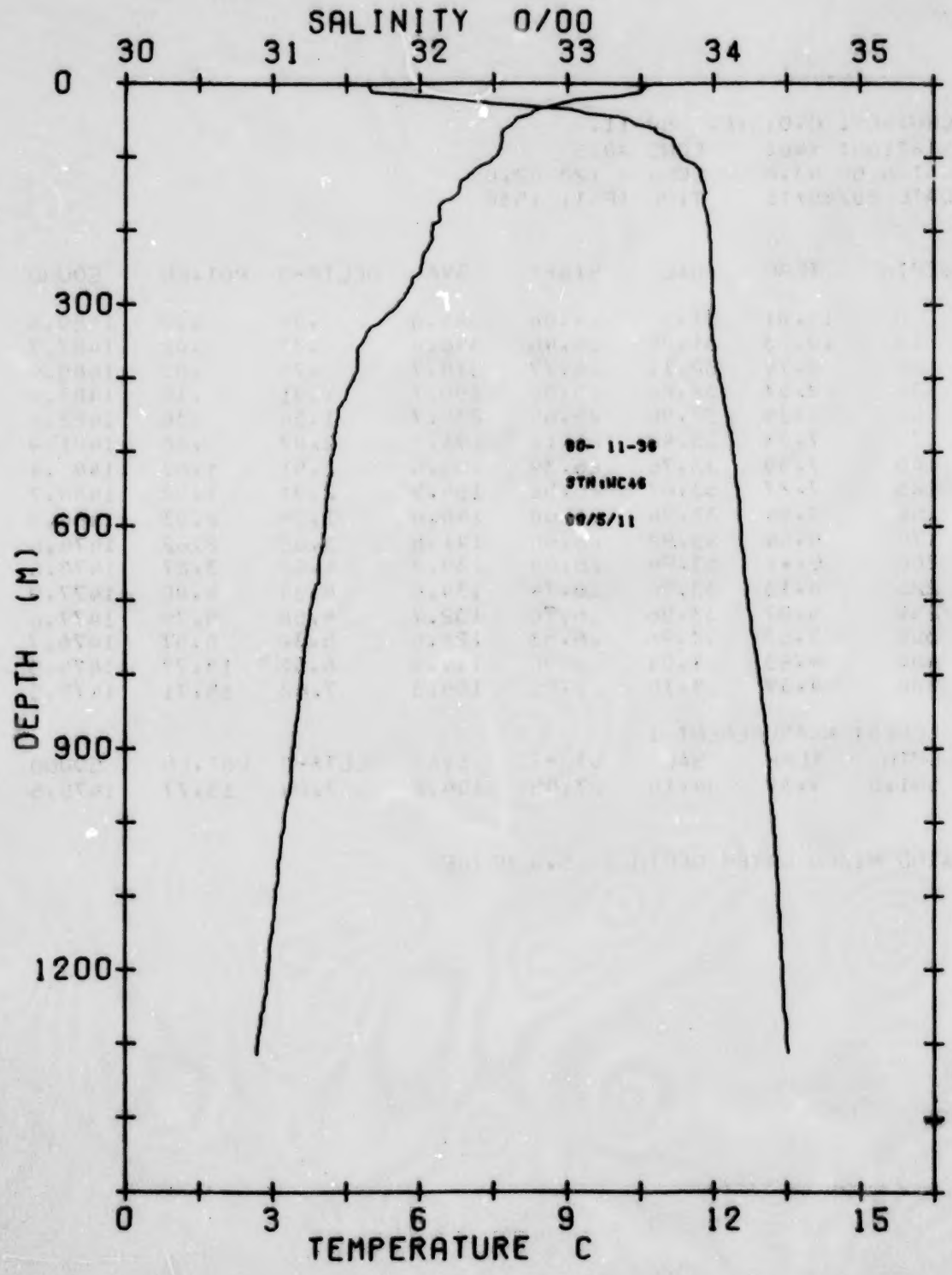
CRUISE : C.O.D.E. 80-11.
STATION: W46A CONS #035
LAT N 50 03.8 LONG W 128 02.0
DATE 80/05/11 TIME (PST) 1530

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.01	31.50	24.08	384.6	.00	.00	1489.6
10	10.33	31.84	24.46	348.4	.37	.02	1487.7
20	9.70	32.11	24.77	318.7	.70	.07	1485.9
30	9.07	32.28	25.00	296.7	1.01	.15	1483.9
50	8.34	32.96	25.65	235.7	1.54	.36	1482.4
75	7.94	33.48	26.12	191.7	2.07	.68	1481.9
100	7.59	33.76	26.39	166.6	2.51	1.07	1481.4
125	7.27	33.87	26.52	154.5	2.91	1.52	1480.7
150	7.04	33.94	26.60	146.6	3.29	2.03	1480.3
175	6.54	33.92	26.65	141.8	3.65	2.62	1478.6
200	6.42	33.94	26.69	139.2	4.00	3.27	1478.6
225	6.13	33.96	26.74	134.6	4.34	4.00	1477.9
250	5.97	33.96	26.76	132.7	4.68	4.79	1477.6
300	5.52	33.98	26.83	126.6	5.32	6.57	1476.7
400	4.83	34.04	26.96	114.9	6.52	10.77	1475.5
500	4.39	34.10	27.05	106.3	7.62	15.71	1475.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
501.0	4.39	34.10	27.05	106.2	7.64	15.77	1475.5

WIND MIXED LAYER DEPTH = 5.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
00- 11-36
STN:WC46
00/5/11
0
3
6
9
12
15
TEMPERATURE C

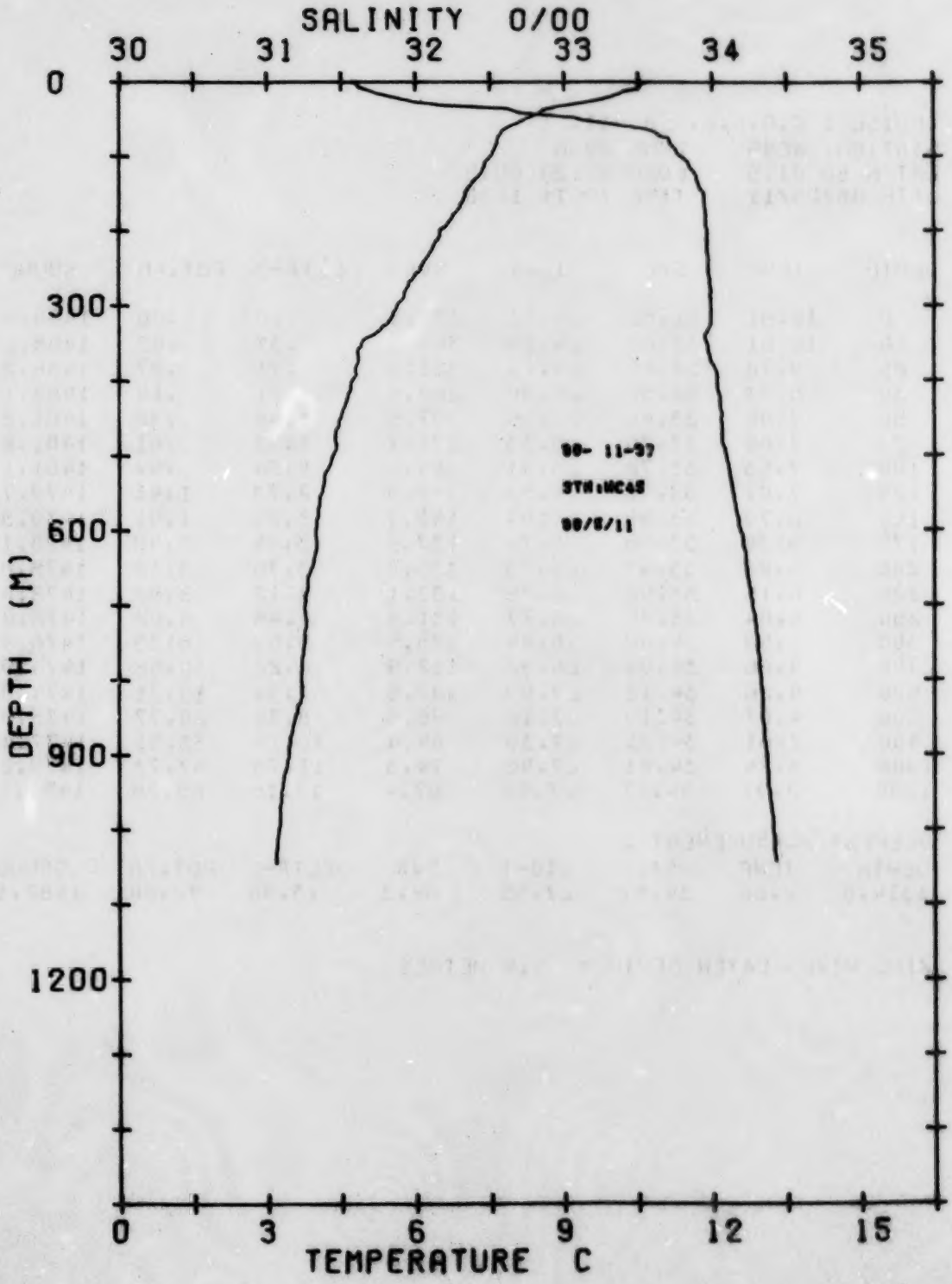
CRUISE : C.O.D.E. 80-11.
STATION: WC46 CONS #036
LAT N 50 01.5 LONG W 128 05.5
DATE 80/05/11 TIME (PST) 1620

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.81	31.52	24.13	379.3	.00	.00	1488.9
10	10.51	31.67	24.29	364.2	.37	.02	1488.1
20	9.78	32.08	24.74	321.9	.71	.07	1486.2
30	8.73	32.59	25.30	268.4	1.01	.14	1483.1
50	7.95	33.40	26.05	197.5	1.46	.32	1481.5
75	7.68	33.70	26.33	171.7	1.92	.61	1481.2
100	7.53	33.78	26.41	164.6	2.34	.97	1481.1
125	7.01	33.91	26.58	148.0	2.73	1.41	1479.7
150	6.79	33.95	26.64	142.7	3.09	1.91	1479.3
175	6.38	33.95	26.70	137.9	3.44	2.48	1478.1
200	6.26	33.97	26.73	135.0	3.78	3.12	1478.0
225	6.15	33.98	26.75	133.1	4.12	3.83	1478.0
250	6.04	33.98	26.77	131.8	4.45	4.62	1478.0
300	5.58	34.00	26.84	125.5	5.09	6.38	1476.9
400	4.66	34.04	26.98	112.9	6.28	10.52	1474.9
500	4.26	34.13	27.09	102.5	7.34	15.31	1474.9
600	4.07	34.19	27.16	96.9	8.34	20.77	1475.9
800	3.61	34.31	27.30	84.4	10.16	33.51	1477.4
1000	3.24	34.41	27.42	74.3	11.75	47.73	1479.2
1200	2.91	34.47	27.50	67.4	13.16	63.28	1481.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1314.0	2.66	34.51	27.55	62.3	13.90	72.60	1482.1

WIND MIXED LAYER DEPTH = 5.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 11-37
STN:MC48
90/8/11
0
3
6
9
12
15
TEMPERATURE C

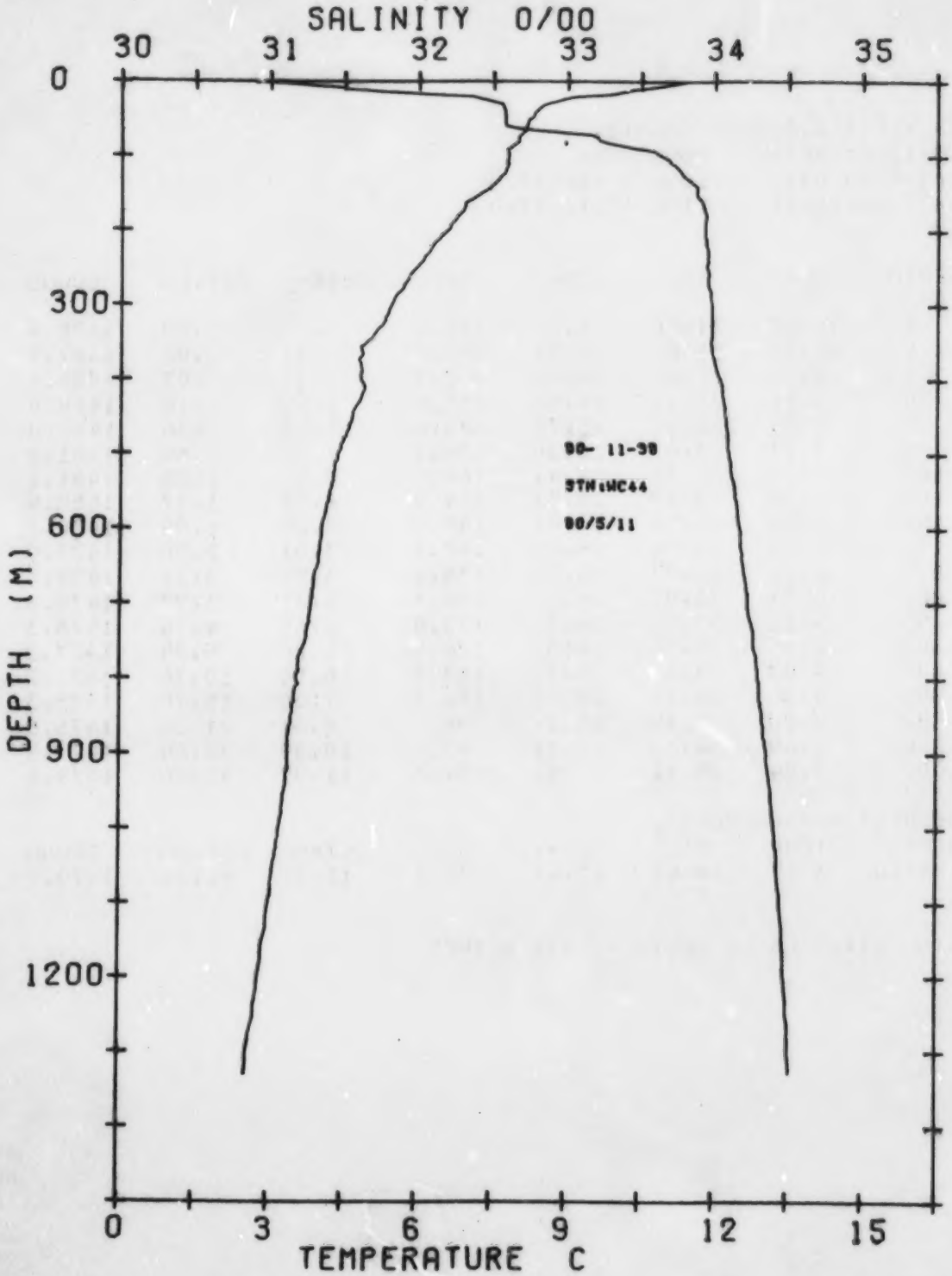
CRUISE : C.O.D.E. 80-11.
STATION: WC45 CONS 4037
LAT N 49 57.0 LONG W 128 12.5
DATE 80/05/11 TIME (PST) 1740

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.67	31.58	24.20	373.2	.00	.00	1488.4
10	10.38	31.65	24.31	363.0	.37	.02	1487.7
20	9.98	31.80	24.49	345.7	.72	.07	1486.5
30	9.14	32.12	24.86	310.1	1.05	.15	1484.0
50	8.20	33.10	25.78	223.6	1.58	.36	1482.0
75	7.67	33.67	26.30	174.1	2.06	.66	1481.2
100	7.53	33.78	26.41	164.0	2.48	1.03	1481.2
125	7.32	33.89	26.52	154.0	2.88	1.47	1480.9
150	7.02	33.94	26.61	145.9	3.25	1.99	1480.2
175	6.83	33.96	26.65	142.7	3.61	2.58	1479.9
200	6.52	33.97	26.70	138.2	3.97	3.24	1479.0
225	6.34	33.97	26.72	136.3	4.31	3.97	1478.8
250	6.12	33.98	26.76	133.0	4.65	4.76	1478.3
300	5.65	34.00	26.83	126.4	5.29	6.54	1477.2
400	4.73	34.04	26.97	113.7	6.50	10.76	1475.2
500	4.35	34.10	27.06	106.1	7.60	15.70	1475.3
600	4.00	34.19	27.17	96.0	8.61	21.22	1475.6
800	3.69	34.33	27.31	83.9	10.39	33.64	1477.8
1000	3.24	34.41	27.42	74.3	11.97	47.86	1479.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1044.0	3.17	34.43	27.44	72.3	12.29	51.16	1479.7

*IND MIXED LAYER DEPTH = 9.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
90- 11-30
STN:WC44
90/5/11
0
3
6
9
12
15
TEMPERATURE C

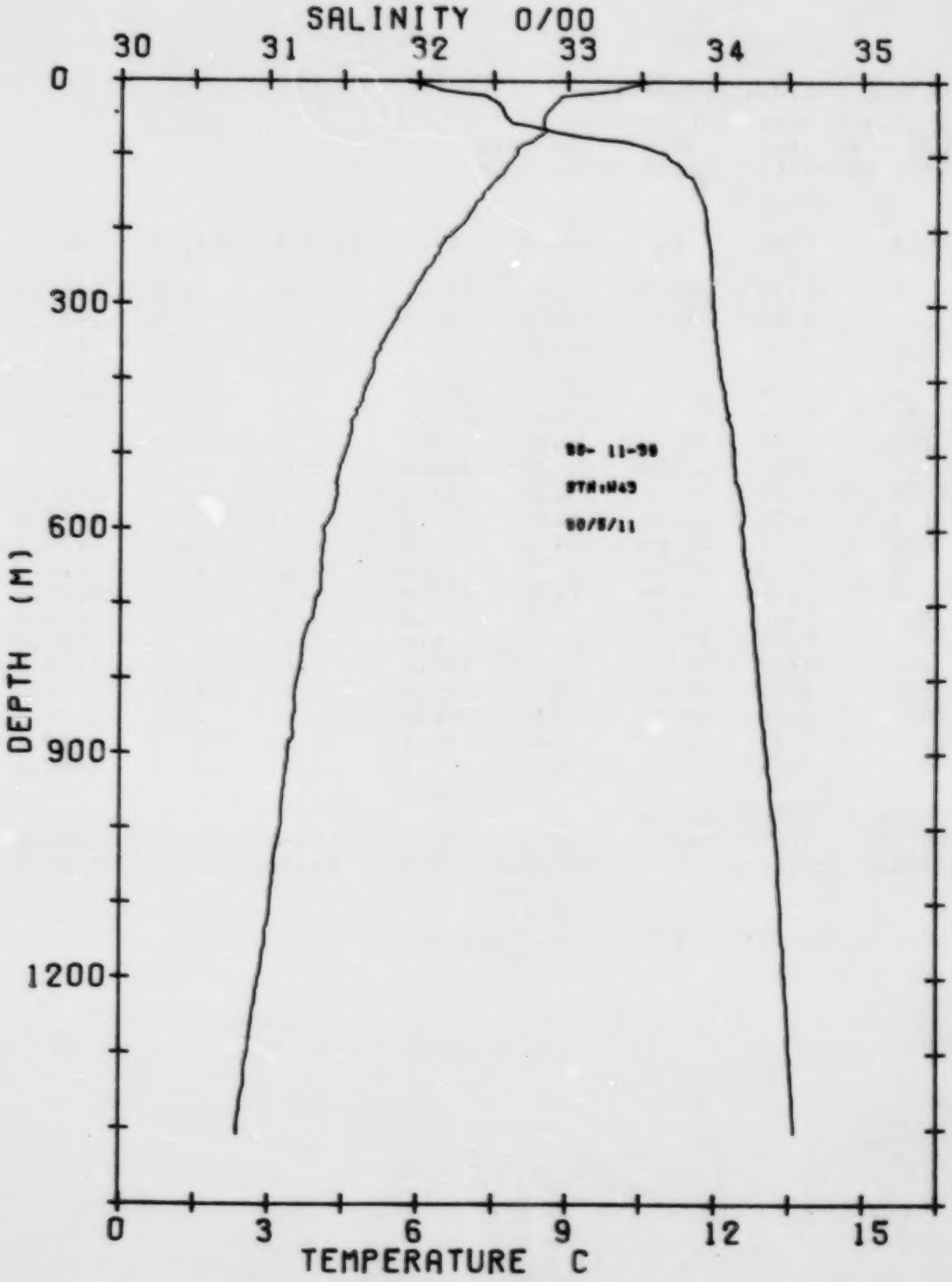
CRUISE : C.O.D.E. 80-11.
STATION: WC44 CONS #038
LAT N 49 51.5 LONG W 128 20.5
DATE 80/05/11 TIME (PST) 2045

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.39	30.91	23.56	434.1	.00	.00	1490.2
10	10.48	31.50	24.17	376.3	.40	.02	1487.8
20	9.27	32.28	24.97	299.5	.74	.07	1484.5
30	8.52	32.56	25.31	267.9	1.02	.14	1482.2
50	8.24	32.58	25.36	262.8	1.55	.35	1481.5
75	8.02	33.19	25.88	214.6	2.18	.74	1481.8
100	7.81	33.62	26.25	179.9	2.67	1.17	1482.0
125	7.65	33.78	26.39	166.4	3.10	1.65	1482.0
150	7.25	33.87	26.52	154.3	3.50	2.20	1481.0
175	6.85	33.93	26.62	145.2	3.87	2.81	1479.9
200	6.57	33.93	26.66	141.9	4.23	3.48	1479.2
225	6.25	33.95	26.71	137.0	4.58	4.22	1478.4
250	5.95	33.94	26.75	133.9	4.92	5.02	1477.5
300	5.44	33.98	26.84	125.6	5.57	6.80	1476.4
400	4.85	34.03	26.95	115.4	6.77	11.01	1475.6
500	4.37	34.10	27.06	106.0	7.88	16.00	1475.4
600	4.05	34.17	27.15	97.8	8.90	21.61	1475.8
800	3.56	34.30	27.30	84.6	10.74	34.40	1477.2
1000	3.22	34.41	27.42	74.1	12.32	48.62	1479.1
1200	2.82	34.48	27.51	65.4	13.71	63.87	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1331.0	2.56	34.52	27.57	60.5	14.53	74.25	1481.9

WIND MIXED LAYER DEPTH = 11.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

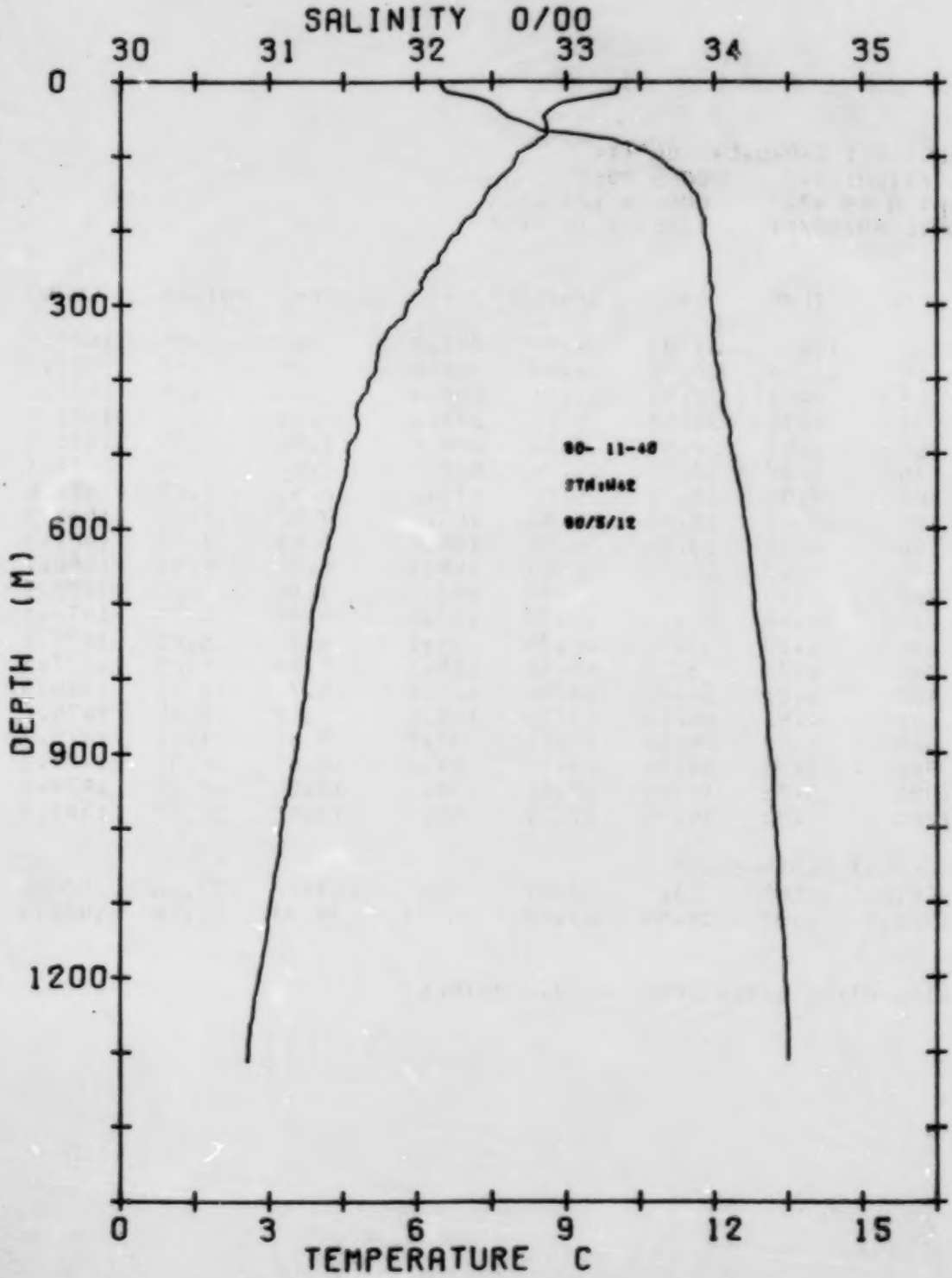
CRUISE : C.O.D.E. 80-11.
STATION: W43 CONS #039
LAT N 49 47.0 LONG W 128 28.5
DATE 80/05/11 TIME (PST) 2258

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.73	31.93	24.46	347.8	.00	.00	1489.1
10	10.14	32.10	24.69	326.0	.34	.02	1487.3
20	9.04	32.41	25.11	286.9	.65	.06	1483.8
30	8.72	32.53	25.25	273.0	.93	.13	1482.9
50	8.53	32.59	25.33	266.4	1.46	.35	1482.6
75	8.38	33.09	25.74	227.2	2.10	.74	1483.1
100	7.95	33.66	26.25	179.2	2.59	1.17	1482.6
125	7.67	33.80	26.40	165.2	3.02	1.65	1482.1
150	7.32	33.89	26.52	154.4	3.42	2.20	1481.3
175	7.06	33.93	26.59	148.0	3.80	2.81	1480.7
200	6.75	33.94	26.64	143.5	4.16	3.50	1479.9
225	6.44	33.97	26.70	137.8	4.51	4.24	1479.1
250	6.20	33.98	26.75	134.1	4.85	5.05	1478.6
300	5.73	33.99	26.81	128.1	5.51	6.85	1477.5
400	5.01	34.05	26.94	116.4	6.72	11.10	1476.3
500	4.53	34.13	27.06	105.6	7.83	16.05	1476.1
600	4.09	34.18	27.15	97.7	8.84	21.61	1475.9
800	3.58	34.30	27.30	84.8	10.67	34.37	1477.2
1000	3.25	34.41	27.42	74.4	12.26	48.69	1479.3
1200	2.80	34.48	27.51	65.7	13.66	64.07	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1406.0	2.37	34.54	27.60	57.3	14.93	80.54	1482.4

WIND MIXED LAYER DEPTH = 7.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

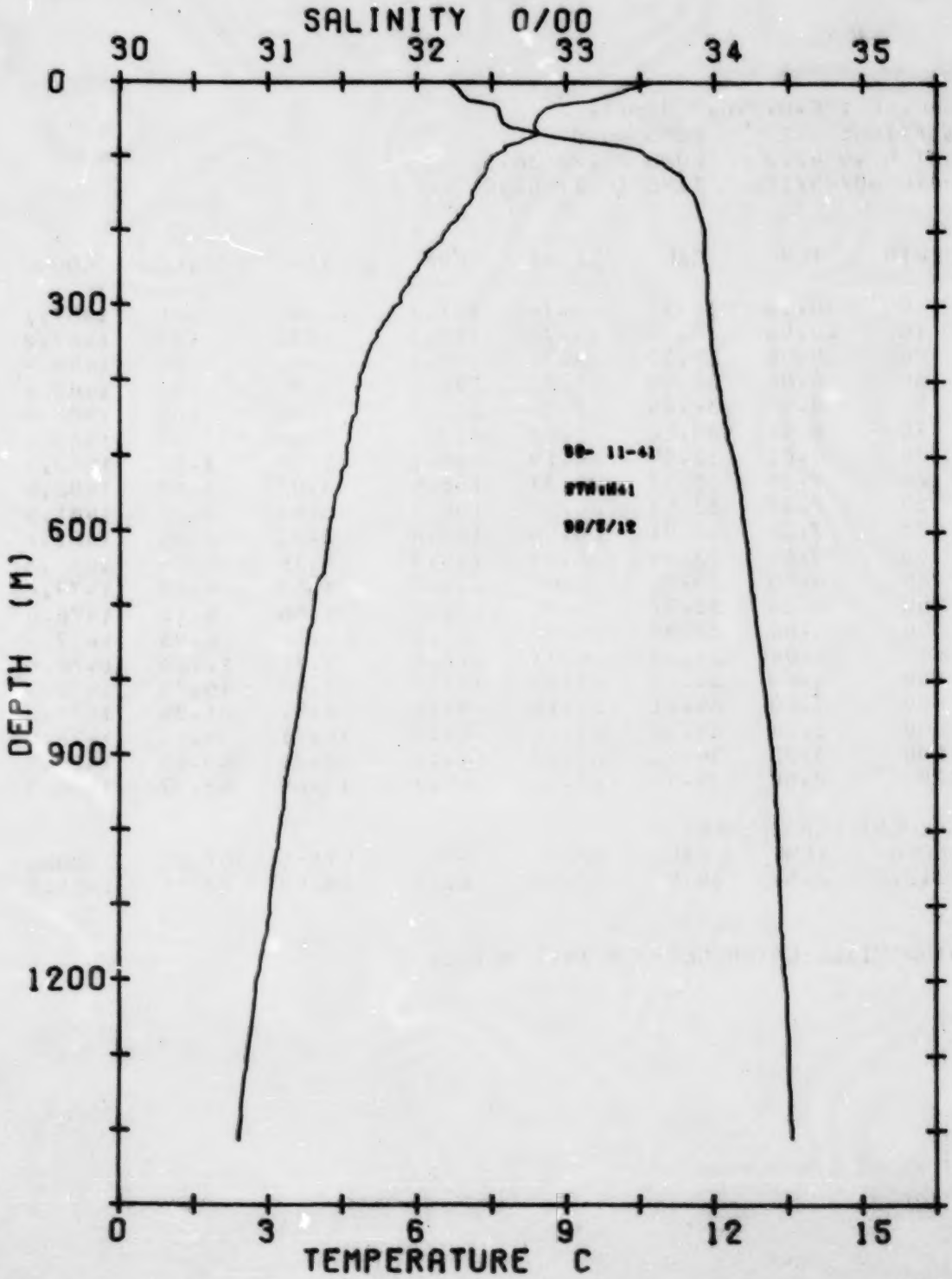
CRUISE : C.O.D.E. 80-11.
STATION: W42 CONS #040
LAT N 49 42.0 LONG W 128 36.5
DATE 80/05/12 TIME (PST) 0040

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.10	32.15	24.74	321.7	.00	.00	1487.1
10	10.06	32.18	24.76	319.3	.32	.02	1487.2
20	9.50	32.33	24.98	299.2	.63	.06	1485.4
30	8.86	32.49	25.20	278.0	.92	.13	1483.4
50	8.56	32.64	25.36	263.2	1.46	.35	1482.8
75	8.51	33.22	25.82	219.5	2.08	.73	1483.8
100	8.01	33.59	26.19	185.1	2.58	1.17	1482.7
125	7.75	33.77	26.37	168.5	3.02	1.67	1482.4
150	7.39	33.87	26.50	156.7	3.43	2.22	1481.5
175	7.18	33.91	26.56	150.8	3.81	2.85	1481.2
200	6.84	33.94	26.63	144.7	4.18	3.54	1480.3
225	6.55	33.96	26.69	139.7	4.53	4.29	1479.6
250	6.26	33.97	26.73	135.6	4.88	5.11	1478.8
300	5.80	33.98	26.80	129.5	5.54	6.93	1477.8
400	5.04	34.03	26.93	117.9	6.77	11.23	1476.4
500	4.60	34.12	27.05	107.2	7.89	16.25	1476.4
600	4.28	34.21	27.16	97.5	8.91	21.85	1476.8
800	3.74	34.33	27.31	84.2	10.71	34.40	1478.0
1000	3.25	34.41	27.42	74.4	12.29	48.61	1479.3
1200	2.80	34.48	27.51	65.4	13.69	63.97	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1313.0	2.54	34.50	27.55	61.7	14.40	72.91	1481.5

WIND MIXED LAYER DEPTH = 14.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

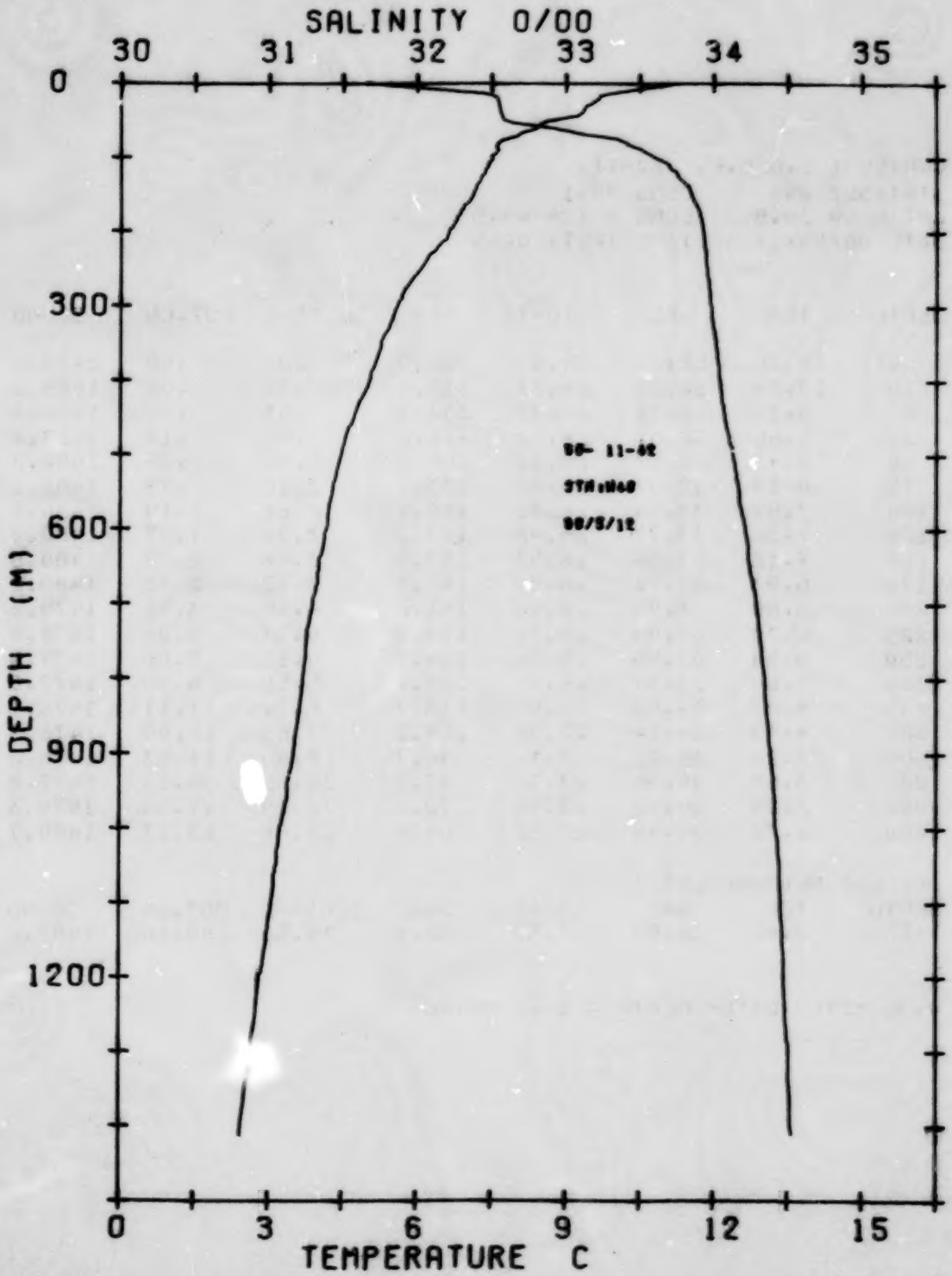
CRUISE : C.O.D.E. 80-11.
STATION: W41 CONS #041
LAT N 49 36.5 LONG W 128 44.5
DATE 80/05/12 TIME (PST) 0245

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.76	32.23	24.69	326.0	.00	.00	1489.6
10	10.25	32.28	24.81	315.0	.32	.02	1488.0
20	9.77	32.32	24.93	304.1	.63	.06	1486.4
30	8.86	32.51	25.22	276.6	.92	.14	1483.4
50	8.43	32.57	25.33	266.5	1.46	.35	1482.2
75	8.19	32.97	25.68	233.4	2.10	.75	1482.2
100	7.52	33.54	26.22	182.1	2.61	1.19	1480.8
125	7.36	33.77	26.42	163.2	3.04	1.67	1480.9
150	7.12	33.86	26.53	153.9	3.44	2.22	1480.5
175	6.93	33.91	26.59	147.7	3.82	2.83	1480.2
200	6.60	33.94	26.66	141.6	4.18	3.51	1479.3
225	6.30	33.94	26.70	138.0	4.53	4.25	1478.5
250	6.04	33.95	26.74	134.2	4.87	5.06	1477.9
300	5.60	33.97	26.81	128.4	5.52	6.86	1477.0
400	4.87	34.03	26.95	115.7	6.74	11.11	1475.7
500	4.59	34.14	27.06	105.5	7.85	16.09	1476.3
600	4.24	34.22	27.16	96.7	8.86	21.63	1476.6
800	3.69	34.34	27.32	83.2	10.65	34.13	1477.8
1000	3.25	34.43	27.44	72.6	12.19	47.99	1479.3
1200	2.78	34.49	27.52	64.5	13.58	63.17	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1412.0	2.40	34.53	27.59	58.4	14.88	80.16	1482.6

WIND MIXED LAYER DEPTH = 10.0 METRES

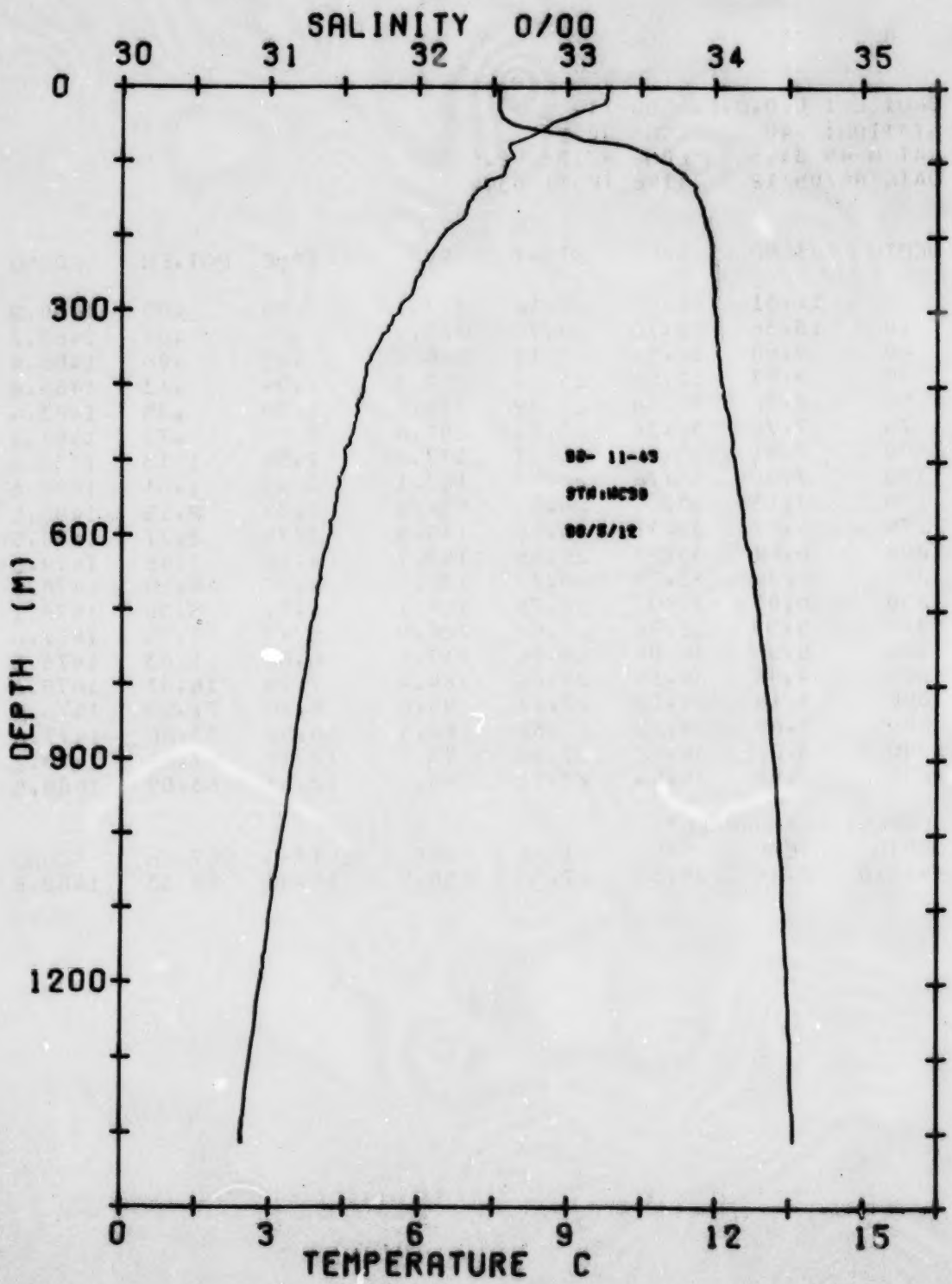

SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W40 CONS #042
LAT N 49 31.5 LONG W 128 52.5
DATE 80/05/12 TIME (PST) 0344

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.31	31.66	24.16	377.1	.00	.00	1490.9
10	10.36	32.15	24.70	325.9	.34	.02	1488.2
20	9.68	32.54	25.11	286.6	.65	.06	1486.4
30	9.47	32.55	25.15	282.7	.94	.13	1485.8
50	8.75	32.58	25.29	270.2	1.50	.35	1483.4
75	7.78	33.32	26.01	201.6	2.09	.72	1481.1
100	7.51	33.60	26.27	177.4	2.56	1.13	1480.8
125	7.30	33.76	26.43	163.1	2.99	1.61	1480.6
150	7.13	33.85	26.52	154.5	3.38	2.15	1480.5
175	6.87	33.91	26.60	146.9	3.76	2.77	1480.0
200	6.64	33.93	26.65	142.7	4.12	3.45	1479.5
225	6.38	33.95	26.70	138.6	4.47	4.19	1478.9
250	6.07	33.96	26.75	134.1	4.81	5.00	1478.1
300	5.59	33.98	26.82	126.9	5.47	6.79	1477.0
400	5.05	34.04	26.94	117.1	6.68	11.03	1476.5
500	4.46	34.14	27.08	104.4	7.79	16.01	1475.8
600	4.18	34.22	27.17	95.8	8.79	21.50	1476.4
800	3.69	34.35	27.32	82.5	10.56	33.86	1477.8
1000	3.23	34.42	27.43	73.2	12.12	47.86	1479.2
1200	2.82	34.48	27.51	65.6	13.51	63.09	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1412.0	2.44	34.53	27.58	58.9	14.83	80.33	1482.8


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

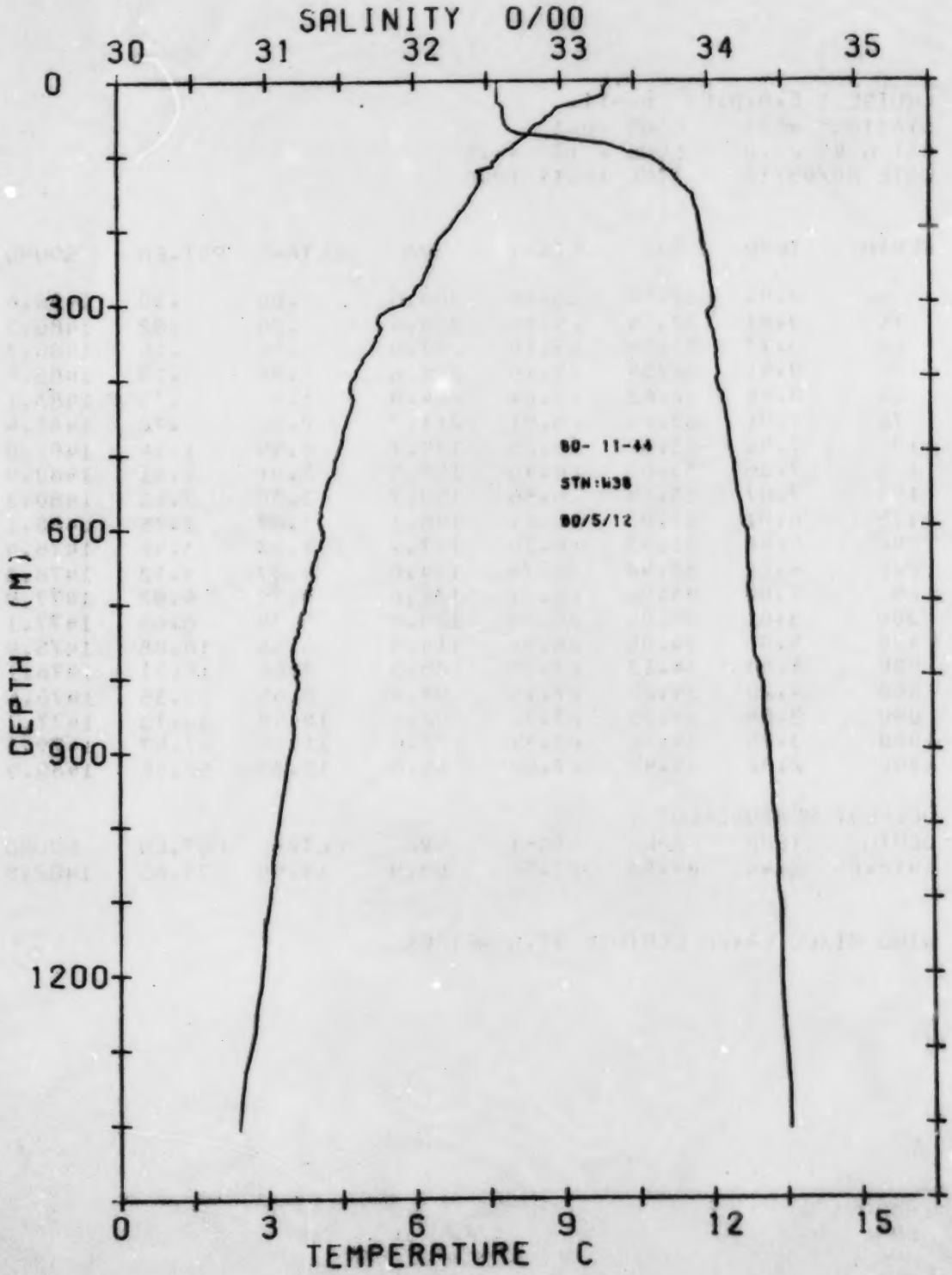
CRUISE : C.O.D.E. 80-11.
STATION: WC39 CONS #043
LAT N 49 25.0 LONG W 128 44.5
DATE 80/05/12 TIME (PST) 1000

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.84	32.54	25.08	288.6	.00	.00	1486.6
10	9.81	32.54	25.09	288.4	.29	.02	1486.7
20	9.77	32.54	25.10	287.9	.58	.06	1486.7
30	9.41	32.54	25.15	282.6	.86	.13	1485.5
50	8.65	32.63	25.34	264.9	1.41	.35	1483.1
75	7.91	33.21	25.91	211.7	2.01	.72	1481.4
100	7.80	33.62	26.25	179.7	2.49	1.14	1482.0
125	7.36	33.82	26.46	159.5	2.91	1.61	1480.9
150	7.07	33.89	26.56	150.7	3.30	2.15	1480.3
175	6.91	33.93	26.61	146.1	3.67	2.75	1480.1
200	6.48	33.97	26.70	137.9	4.03	3.41	1478.9
225	6.22	33.98	26.74	134.0	4.37	4.13	1478.3
250	6.04	33.98	26.77	132.0	4.70	4.92	1477.9
300	5.61	34.00	26.84	125.9	5.34	6.69	1477.1
400	4.90	34.05	26.96	114.9	6.54	10.88	1475.9
500	4.54	34.13	27.07	105.3	7.64	15.81	1476.1
600	4.20	34.20	27.15	97.6	8.65	21.35	1476.4
800	3.68	34.35	27.32	82.5	10.42	33.73	1477.7
1000	3.25	34.43	27.44	72.6	11.96	47.57	1479.3
1200	2.82	34.49	27.52	65.0	13.33	62.60	1480.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1412.0	2.44	34.53	27.58	58.9	14.64	79.65	1482.8

WIND MIXED LAYER DEPTH = 17.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-44
STN:438
80/5/12
0
3
6
9
12
15
TEMPERATURE C

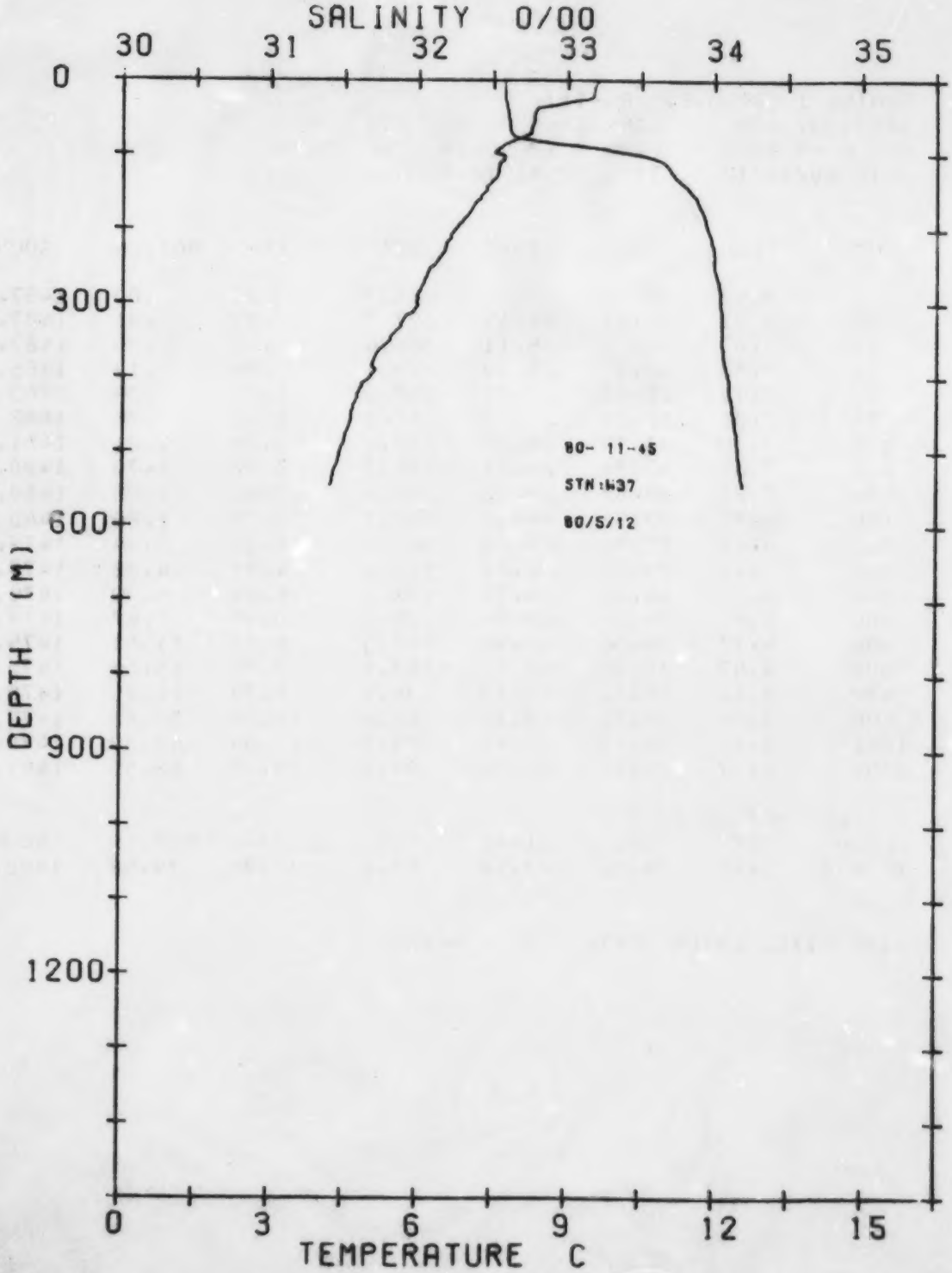
CRUISE : C.O.D.E. 80-11.
STATION: W38 CONS #044
LAT N 49 18.5 LONG W 128 36.5
DATE 80/05/12 TIME (PST) 1200

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.98	32.57	25.08	288.7	.00	.00	1487.2
10	9.91	32.57	25.10	287.7	.29	.01	1487.1
20	9.83	32.57	25.11	286.6	.58	.06	1487.0
30	9.33	32.57	25.19	279.1	.86	.13	1485.3
50	8.73	32.61	25.31	267.6	1.40	.34	1483.4
75	8.32	32.81	25.53	247.2	2.05	.75	1482.5
100	7.79	33.52	26.17	187.2	2.58	1.21	1481.8
125	7.34	33.75	26.41	164.3	3.02	1.70	1480.8
150	7.23	33.87	26.52	154.4	3.42	2.25	1480.9
175	6.98	33.92	26.60	147.3	3.79	2.86	1480.4
200	6.72	33.95	26.65	142.3	4.16	3.54	1479.8
225	6.45	33.97	26.70	137.8	4.51	4.28	1479.2
250	6.33	34.00	26.75	134.0	4.84	5.09	1479.2
300	5.83	34.04	26.84	125.6	5.49	6.87	1478.0
400	4.77	34.06	26.98	112.5	6.68	11.01	1475.4
500	4.47	34.15	27.09	103.4	7.76	15.86	1475.8
600	4.12	34.23	27.19	94.4	8.74	21.25	1476.1
800	3.59	34.33	27.32	82.4	10.50	33.53	1477.3
1000	3.22	34.43	27.44	72.2	12.04	47.39	1479.2
1200	2.87	34.47	27.50	67.0	13.42	62.55	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1409.0	2.40	34.52	27.58	59.1	14.73	79.58	1482.5

WIND MIXED LAYER DEPTH = 20.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-45
STN:437
80/5/12
0
3
6
9
12
15
TEMPERATURE C

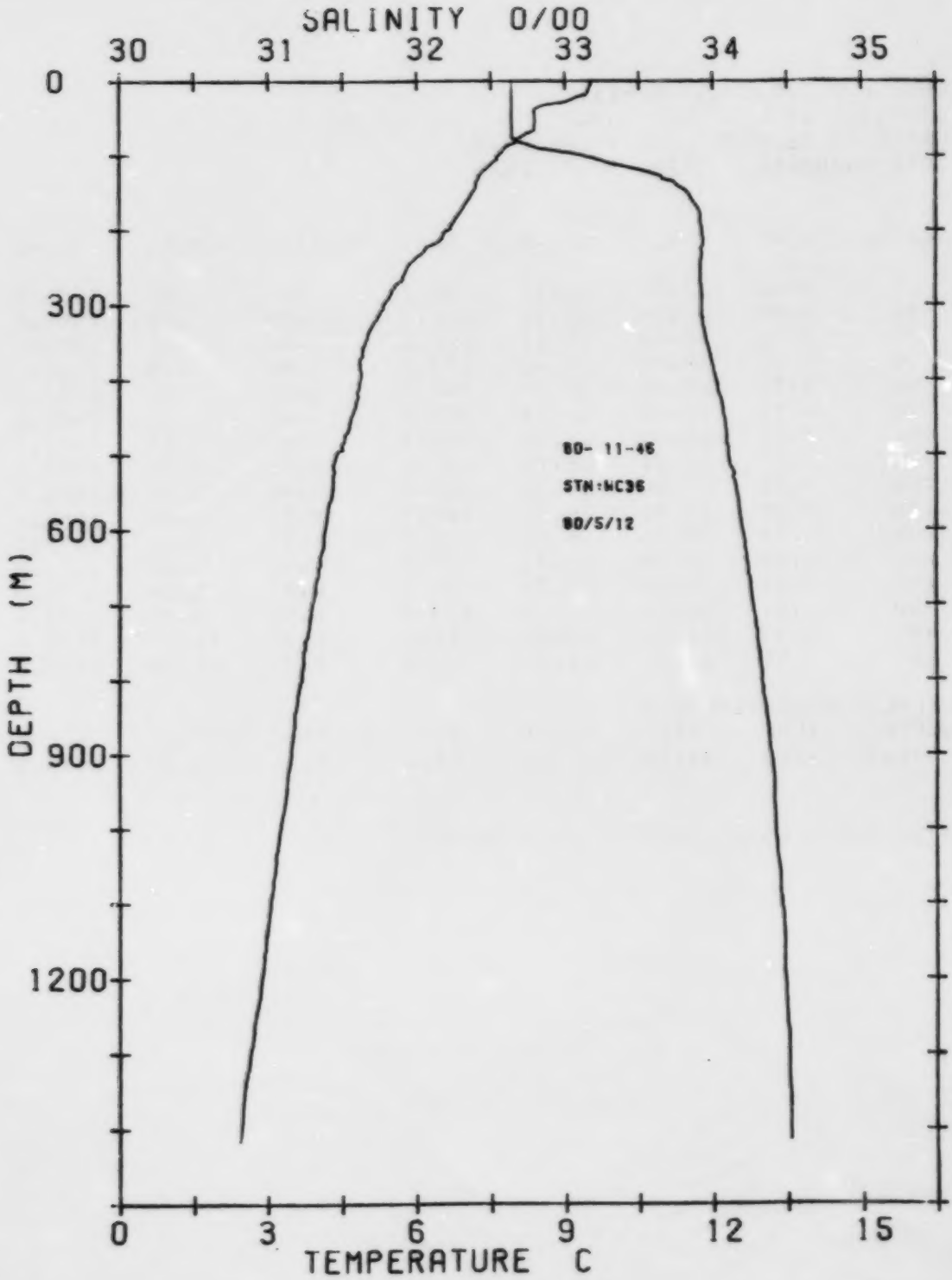
CRUISE : C.O.D.E. 80-11.
STATION: W37 CONS #045
LAT N 49 12.5 LONG W 128 29.0
DATE 80/05/12 TIME (PST) 1425

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.61	32.58	25.15	282.2	.00	.00	1485.9
10	9.54	32.58	25.16	281.3	.28	.01	1485.8
20	9.52	32.58	25.17	281.2	.56	.06	1485.9
30	9.05	32.58	25.24	273.9	.84	.13	1484.3
50	8.30	32.60	25.37	262.2	1.37	.34	1481.8
75	8.19	32.63	25.41	258.8	2.02	.75	1481.8
100	7.61	33.45	26.14	189.7	2.59	1.24	1481.1
125	7.57	33.71	26.35	170.5	3.03	1.73	1481.6
150	7.31	33.84	26.49	157.7	3.44	2.30	1481.2
175	7.05	33.91	26.58	149.1	3.83	2.92	1480.6
200	6.73	33.95	26.66	142.2	4.19	3.60	1479.9
225	6.53	33.99	26.71	137.1	4.54	4.34	1479.5
250	6.27	34.00	26.75	133.5	4.88	5.14	1478.9
300	5.94	34.04	26.83	126.9	5.52	6.92	1478.4
400	4.99	34.09	26.98	112.6	6.72	11.10	1476.3
500	4.40	34.16	27.10	101.8	7.79	15.89	1475.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
546.0	4.20	34.19	27.15	97.8	8.25	18.29	1475.5

WIND MIXED LAYER DEPTH = 22.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-46
STN:NC36
80/5/12
0
3
6
9
12
15
TEMPERATURE C

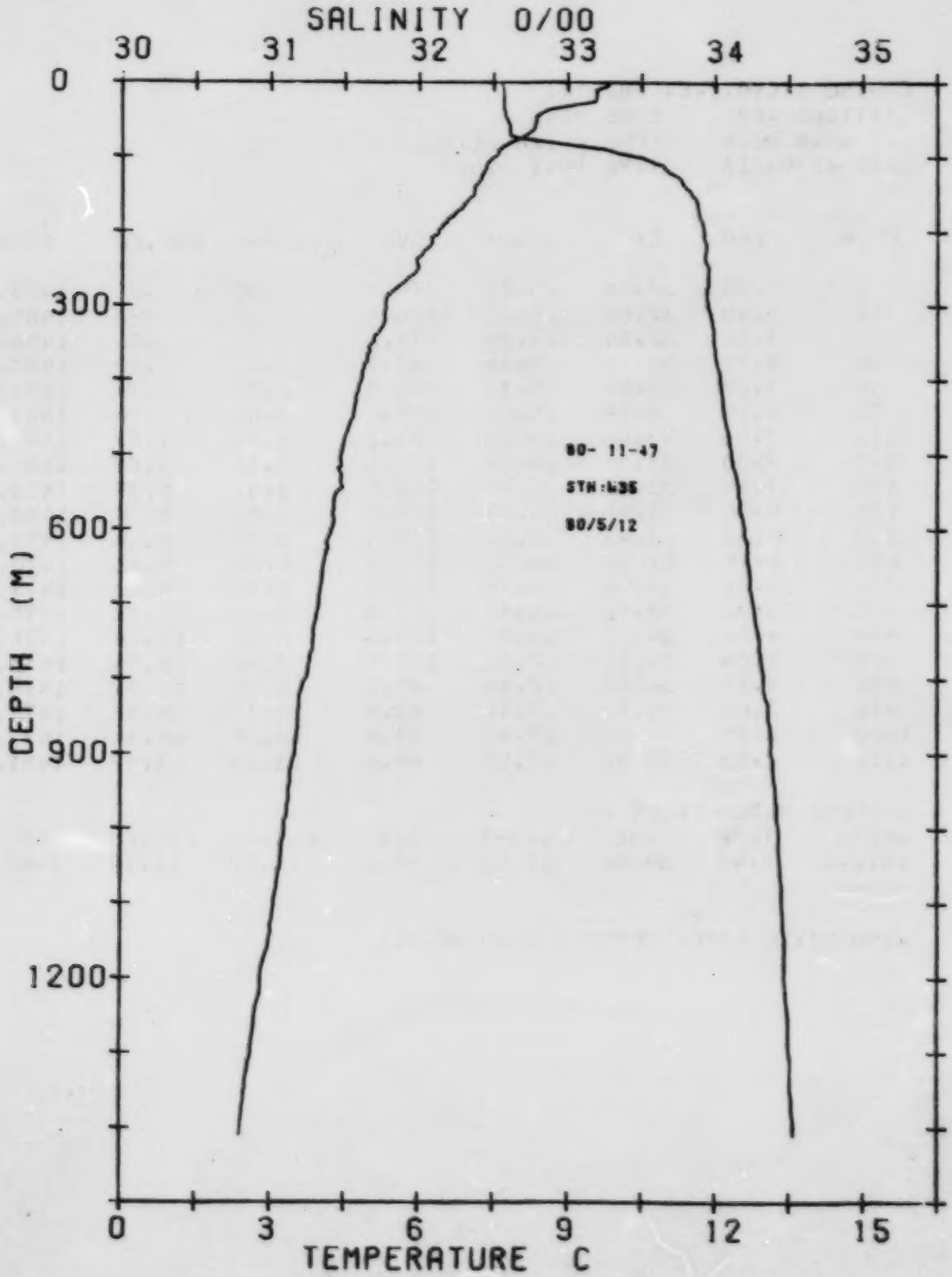
CRUISE : C.O.D.E. 80-11.
STATION: WC36 CONS H046
LAT N 49 06.5 LONG W 128 21.0
DATE 80/05/12 TIME (PST) 1620

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.55	32.64	25.21	276.7	.00	.00	1485.7
10	9.49	32.64	25.22	276.0	.28	.02	1485.6
20	9.36	32.64	25.24	274.2	.55	.06	1485.3
30	8.91	32.64	25.31	267.7	.82	.12	1483.8
50	8.39	32.64	25.39	260.3	1.35	.34	1482.1
75	8.14	32.64	25.43	257.3	2.00	.74	1481.6
100	7.66	33.06	25.82	220.1	2.60	1.27	1480.7
125	7.30	33.59	26.29	175.8	3.10	1.82	1480.4
150	7.14	33.82	26.50	156.5	3.51	2.39	1480.5
175	6.90	33.91	26.60	147.2	3.89	3.00	1480.1
200	6.62	33.93	26.65	142.6	4.25	3.68	1479.4
225	6.18	33.93	26.71	137.3	4.60	4.43	1478.1
250	5.82	33.92	26.75	133.8	4.94	5.23	1477.0
300	5.35	33.93	26.81	128.0	5.60	7.03	1475.9
400	4.86	34.03	26.95	116.0	6.81	11.28	1475.7
500	4.39	34.11	27.06	105.4	7.92	16.26	1475.4
600	4.17	34.20	27.16	97.0	8.93	21.81	1476.3
800	3.69	34.33	27.31	83.8	10.73	34.33	1477.7
1000	3.25	34.42	27.42	73.6	12.29	48.34	1479.3
1200	2.89	34.48	27.51	66.2	13.68	63.59	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1416.0	2.44	34.52	27.58	59.6	15.02	81.14	1482.8

WIND MIXED LAYER DEPTH = 18.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-47
STN:435
80/5/12
0
3
6
9
12
15
TEMPERATURE C

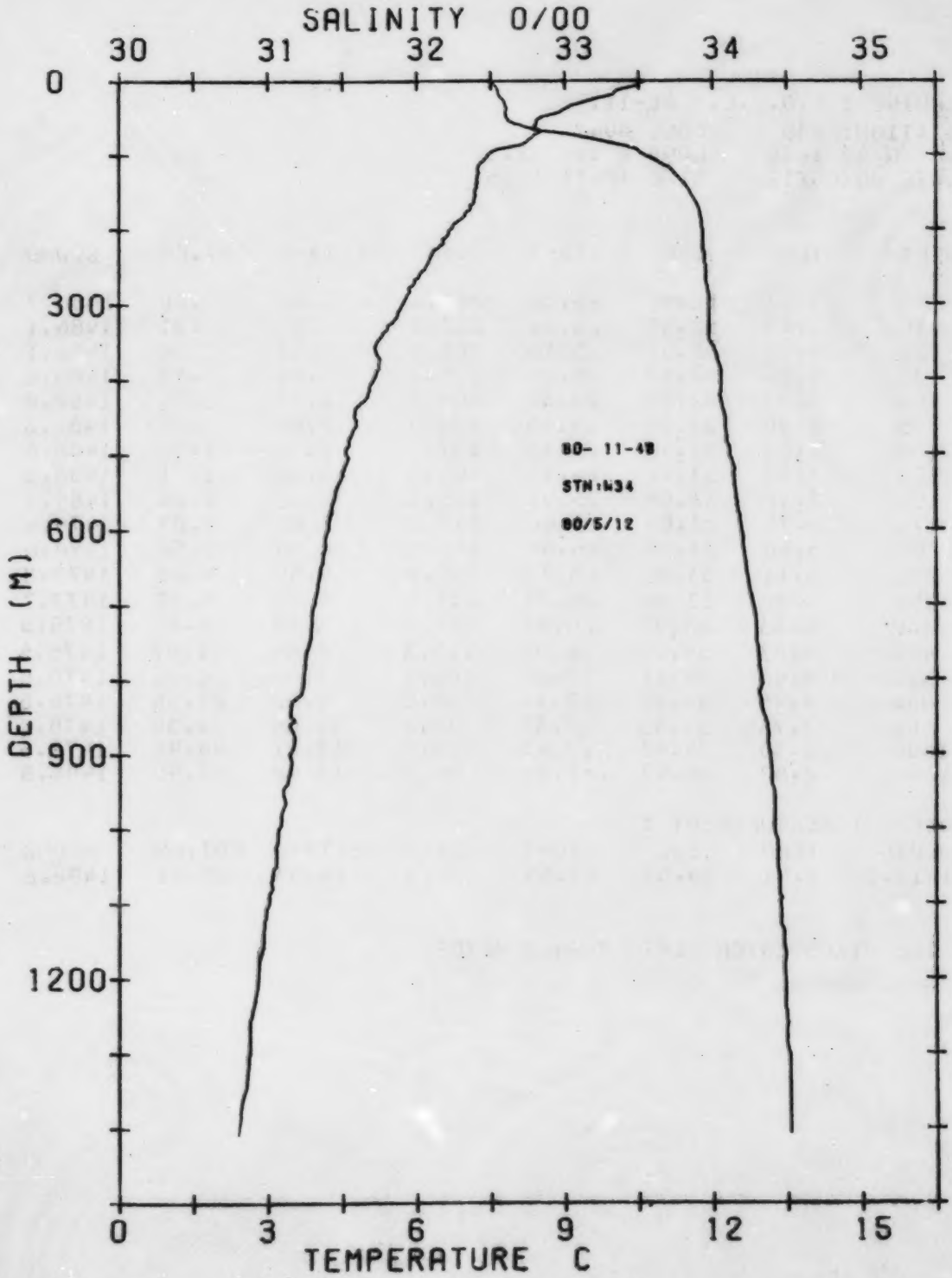
CRUISE : C.O.D.E. 80-11.
STATION: #35 CONS #047
LAT N 49 12.0 LONG W 128 12.5
DATE 80/05/12 TIME (PST) 1805

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.83	32.56	25.10	287.0	.00	.00	1486.7
10	9.63	32.57	25.14	283.4	.29	.01	1486.1
20	9.59	32.57	25.15	283.0	.57	.06	1486.1
30	9.26	32.57	25.20	278.0	.85	.13	1485.0
50	8.37	32.59	25.35	264.0	1.39	.34	1482.0
75	8.05	32.65	25.45	254.9	2.04	.75	1481.3
100	7.50	33.46	26.16	187.5	2.59	1.22	1480.6
125	7.27	33.72	26.40	165.7	3.02	1.71	1480.5
150	7.12	33.84	26.51	155.3	3.42	2.26	1480.4
175	6.75	33.89	26.60	147.0	3.80	2.87	1479.4
200	6.40	33.93	26.68	140.0	4.16	3.54	1478.5
225	6.11	33.94	26.73	135.6	4.50	4.28	1477.8
250	5.99	33.96	26.75	133.1	4.84	5.08	1477.7
300	5.33	33.95	26.83	126.2	5.49	6.85	1475.8
400	4.83	34.03	26.95	115.3	6.69	11.07	1475.5
500	4.43	34.11	27.06	106.0	7.80	16.05	1475.6
600	4.25	34.20	27.15	98.1	8.82	21.65	1476.6
800	3.75	34.33	27.30	84.4	10.65	34.39	1478.0
1000	3.30	34.43	27.43	73.7	12.21	48.46	1479.5
1200	2.82	34.47	27.50	66.4	13.62	63.85	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1411.0	2.41	34.53	27.59	58.5	14.93	80.91	1482.6

WIND MIXED LAYER DEPTH = 24.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-4B
STN:W34
80/5/12
0
3
6
9
12
15
TEMPERATURE C

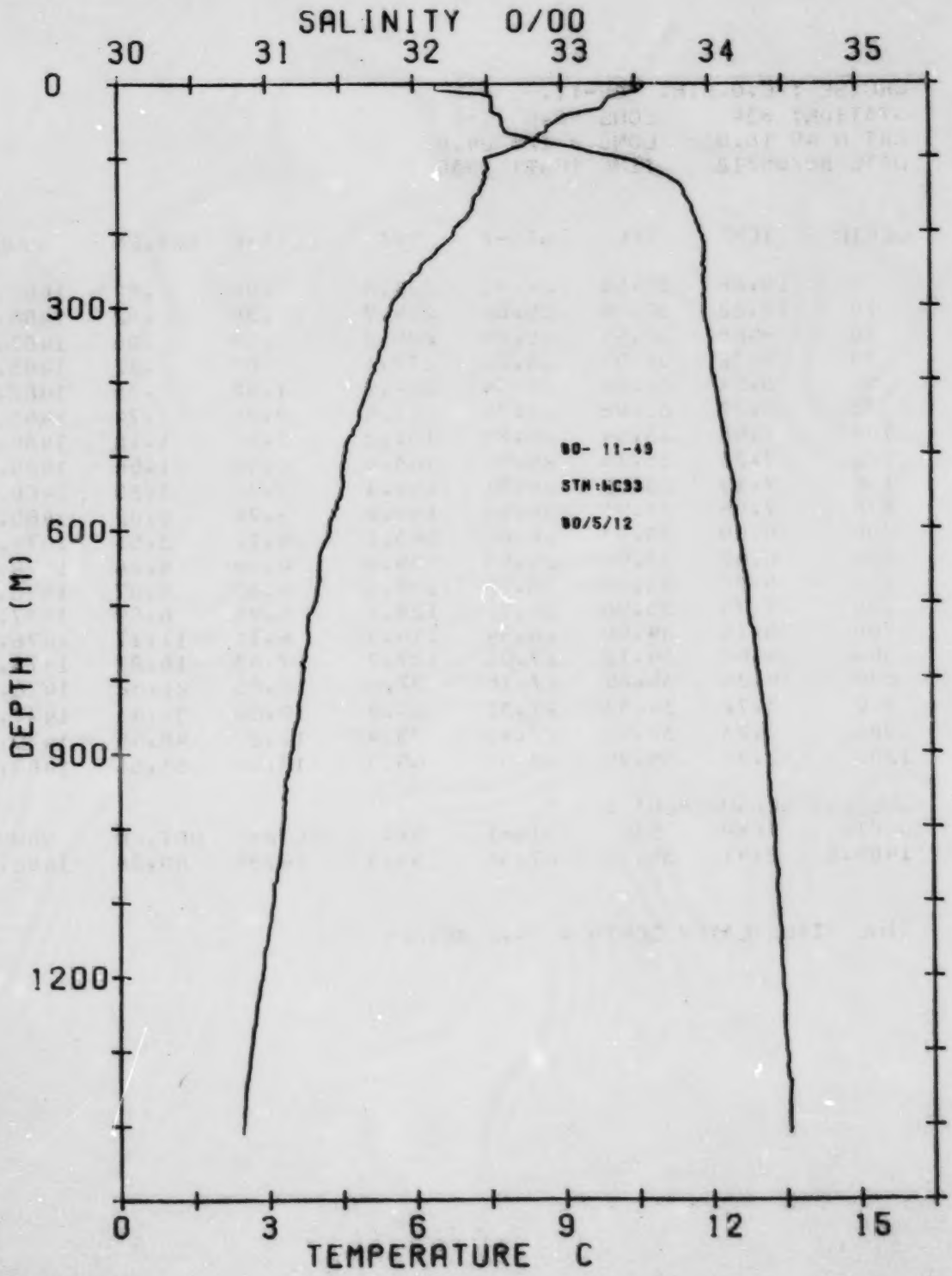
CRUISE : C.O.D.E. 80-11.
STATION: W34 CONS #048
LAT N 49 18.0 LONG W 128 04.0
DATE 80/05/12 TIME (PST) 1930

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.66	32.50	24.91	304.8	.00	.00	1489.6
10	10.22	32.54	25.02	294.7	.30	.02	1488.2
20	9.85	32.55	25.09	288.2	.59	.06	1487.0
30	9.32	32.59	25.21	277.1	.87	.13	1485.3
50	8.51	32.60	25.34	264.9	1.42	.35	1482.6
75	8.37	33.08	25.74	227.6	2.05	.74	1483.1
100	7.45	33.54	26.23	181.2	2.55	1.18	1480.5
125	7.25	33.74	26.42	163.6	2.98	1.66	1480.4
150	7.19	33.85	26.51	155.4	3.38	2.20	1480.7
175	7.06	33.91	26.58	149.2	3.76	2.82	1480.7
200	6.69	33.93	26.65	143.1	4.12	3.51	1479.7
225	6.42	33.94	26.69	139.6	4.48	4.26	1479.0
250	6.20	33.96	26.73	135.6	4.82	5.07	1478.6
300	5.73	33.98	26.81	128.8	5.48	6.89	1477.5
400	5.14	34.06	26.94	116.9	6.71	11.17	1476.9
500	4.60	34.12	27.05	107.2	7.83	16.21	1476.4
600	4.20	34.20	27.15	97.6	8.85	21.82	1476.4
800	3.72	34.33	27.31	84.0	10.66	34.43	1477.9
1000	3.23	34.42	27.43	73.4	12.22	48.45	1479.2
1200	2.80	34.49	27.52	65.0	13.60	63.56	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1408.0	2.41	34.52	27.58	59.3	14.88	80.28	1482.6

WIND MIXED LAYER DEPTH = 4.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-49
STN:WC33
80/5/12
0
3
6
9
12
15
TEMPERATURE C

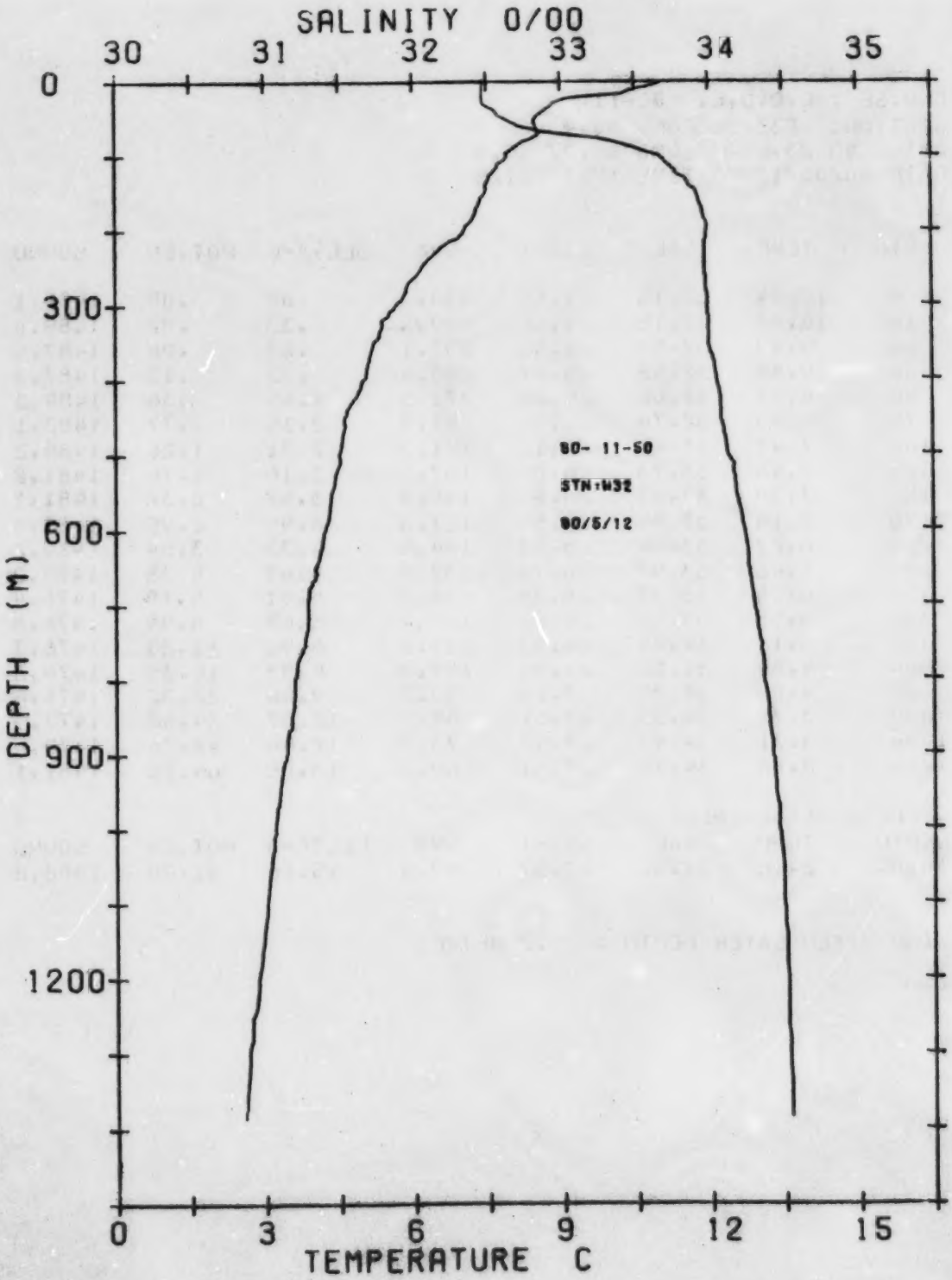
CRUISE : C.O.D.E. 80-11.
STATION: WC33 CONS #049
LAT N 49 23.5 LONG W 127 55.0
DATE 80/05/12 TIME (PST) 2125

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.64	32.15	24.65	330.3	.00	.00	1489.1
10	10.58	32.15	24.66	329.6	.33	.02	1489.0
20	9.99	32.53	25.05	292.1	.63	.06	1487.5
30	9.88	32.53	25.07	290.6	.93	.13	1487.3
50	8.93	32.60	25.28	271.3	1.49	.36	1484.2
75	8.49	32.78	25.48	251.9	2.15	.77	1483.1
100	7.43	33.40	26.12	191.3	2.71	1.26	1480.3
125	7.46	33.73	26.38	167.5	3.16	1.76	1481.2
150	7.30	33.83	26.48	158.0	3.57	2.32	1481.1
175	7.14	33.89	26.55	151.8	3.95	2.95	1481.0
200	6.82	33.94	26.63	144.4	4.32	3.64	1480.2
225	6.46	33.97	26.70	137.9	4.67	4.38	1479.2
250	6.15	33.97	26.75	134.1	5.01	5.19	1478.4
300	5.55	33.97	26.82	127.4	5.67	6.99	1476.8
400	5.11	34.04	26.93	118.2	6.90	11.29	1476.7
500	4.59	34.12	27.05	107.0	8.03	16.35	1476.3
600	4.28	34.20	27.14	98.7	9.06	22.02	1476.8
800	3.72	34.33	27.31	84.2	10.87	34.68	1477.9
1000	3.31	34.43	27.43	73.7	12.44	48.76	1479.6
1200	2.88	34.48	27.51	66.3	13.85	64.18	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1410.0	2.46	34.52	27.57	59.8	15.16	81.28	1482.8

WIND MIXED LAYER DEPTH = 5.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-50
STN:H32
80/5/12
0
3
6
9
12
15
TEMPERATURE C

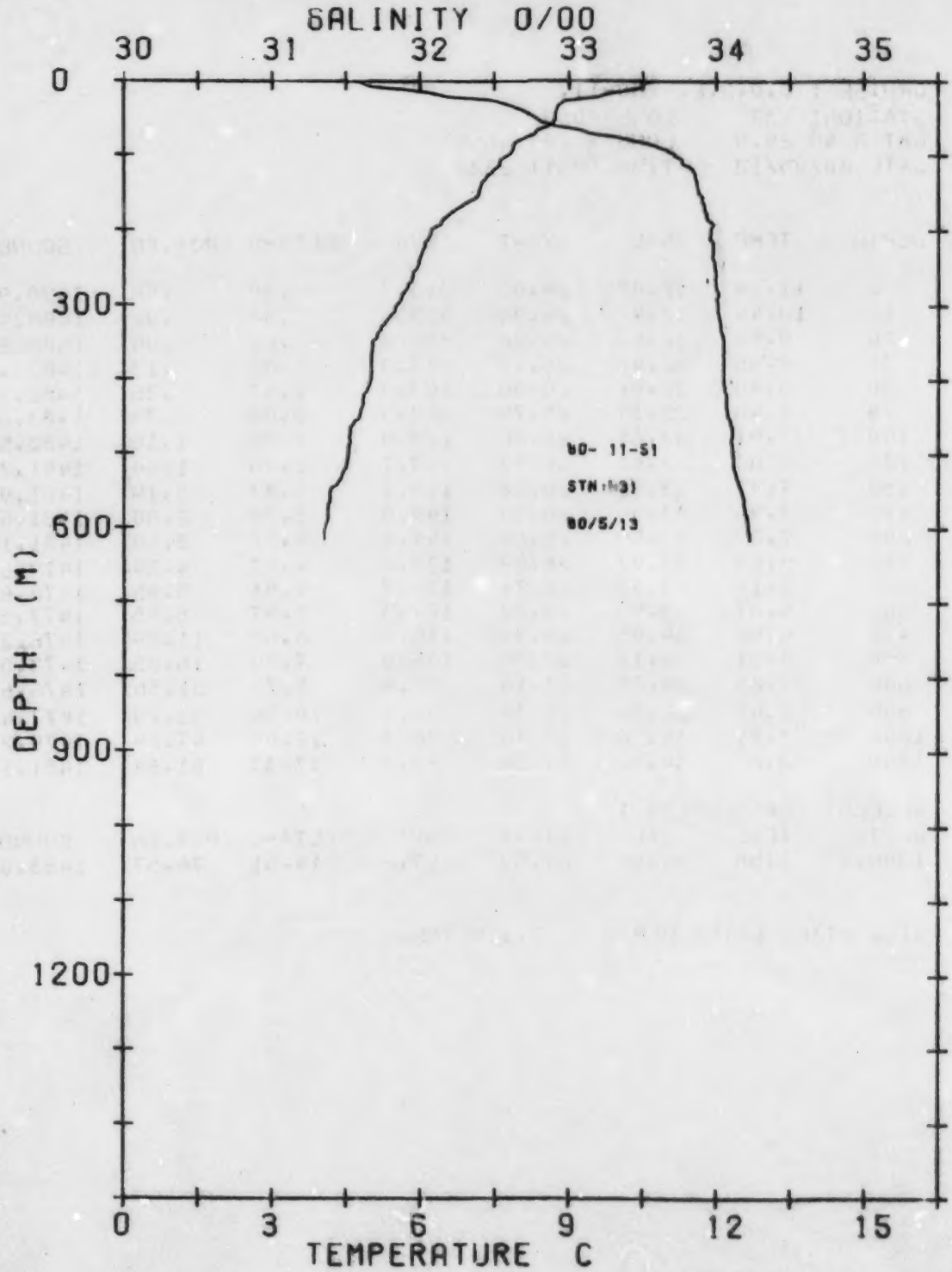
CRUISE : C.O.D.E. 80-11.
STATION: W32 CONS #050
LAT N 49 29.0 LONG W 127 46.5
DATE 80/05/12 TIME (PST) 2322

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.04	32.47	24.83	313.2	.00	.00	1490.9
10	10.44	32.47	24.93	303.6	.31	.02	1488.9
20	9.50	32.47	25.08	289.2	.61	.06	1485.6
30	8.85	32.48	25.19	278.9	.89	.13	1483.4
50	8.48	32.62	25.36	263.5	1.43	.35	1482.5
75	8.48	33.17	25.79	222.9	2.06	.73	1483.6
100	7.91	33.66	26.26	178.9	2.55	1.16	1482.5
125	7.56	33.80	26.42	163.7	2.98	1.64	1481.7
150	7.47	33.92	26.52	154.1	3.37	2.19	1481.9
175	7.28	33.96	26.58	148.8	3.75	2.80	1481.6
200	7.04	33.98	26.64	144.1	4.12	3.49	1481.1
225	6.55	33.97	26.69	139.0	4.47	4.24	1479.6
250	6.19	33.97	26.74	134.7	4.81	5.05	1478.6
300	5.67	33.99	26.82	127.3	5.47	6.85	1477.3
400	4.98	34.05	26.95	115.8	6.68	11.09	1476.2
500	4.51	34.12	27.06	105.9	7.79	16.05	1476.0
600	4.23	34.23	27.18	95.4	8.79	21.56	1476.6
800	3.60	34.36	27.34	80.6	10.54	33.79	1477.4
1000	3.21	34.46	27.46	70.3	12.04	47.24	1479.2
1200	2.86	34.52	27.54	63.2	13.37	61.84	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1386.0	2.58	34.54	27.58	59.6	14.51	76.57	1483.0

WIND MIXED LAYER DEPTH = 7.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-51
STN:N31
80/5/13
0
3
6
9
12
15
TEMPERATURE C

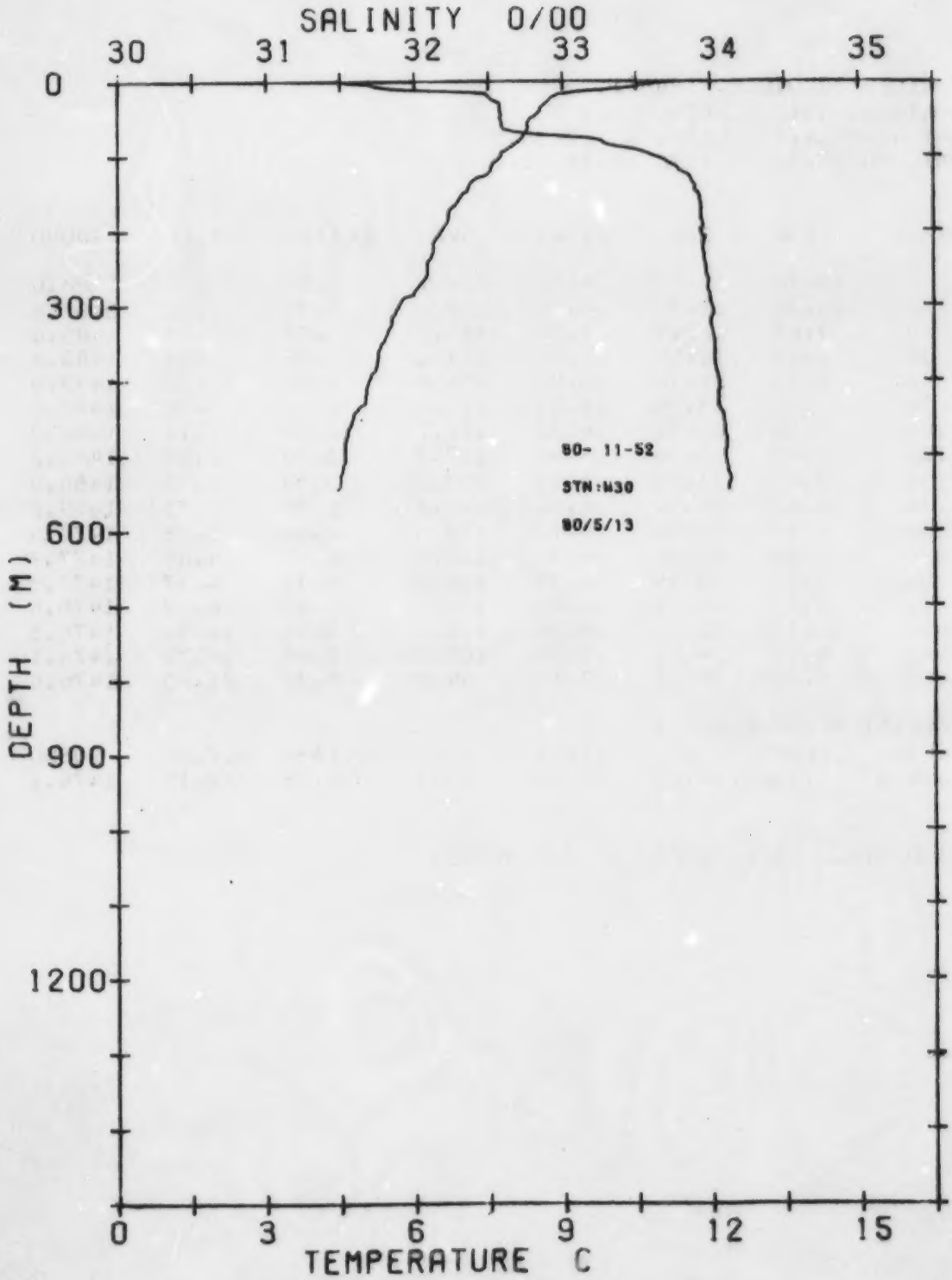
CRUISE : C.O.D.E. 80-11.
STATION: W31 CONS #051
LAT N 49 34.5 LONG W 127 38.0
DATE 80/05/13 TIME (PST) 0100

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.76	31.45	24.08	384.1	.00	.00	1488.6
10	10.36	31.79	24.41	352.8	.37	.02	1487.8
20	9.67	32.14	24.80	316.0	.70	.07	1485.8
30	8.84	32.54	25.24	274.1	.99	.14	1483.4
50	8.73	32.76	25.43	256.4	1.52	.35	1483.6
75	8.21	33.25	25.89	213.1	2.12	.72	1482.6
100	7.78	33.72	26.32	172.7	2.59	1.13	1482.0
125	7.43	33.86	26.48	157.7	3.00	1.59	1481.2
150	7.20	33.88	26.53	153.2	3.39	2.13	1480.8
175	6.68	33.92	26.64	143.3	3.76	2.73	1479.2
200	6.24	33.96	26.72	135.5	4.10	3.38	1477.9
225	6.08	33.98	26.76	132.3	4.44	4.09	1477.7
250	5.93	33.99	26.79	130.0	4.77	4.87	1477.5
300	5.53	34.01	26.85	124.2	5.40	6.62	1476.8
400	5.00	34.05	26.95	116.0	6.58	10.74	1476.3
500	4.55	34.11	27.05	107.2	7.69	15.72	1476.1
600	4.09	34.22	27.18	94.8	8.70	21.23	1476.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
616.0	4.04	34.23	27.19	93.7	8.85	22.15	1476.1

WIND MIXED LAYER DEPTH = 7.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-52
STN:W30
80/5/13
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W30 CONS 4052
LAT N 49 40.5 LONG W 127 29.0
DATE 80/05/13 TIME (PST) 0238

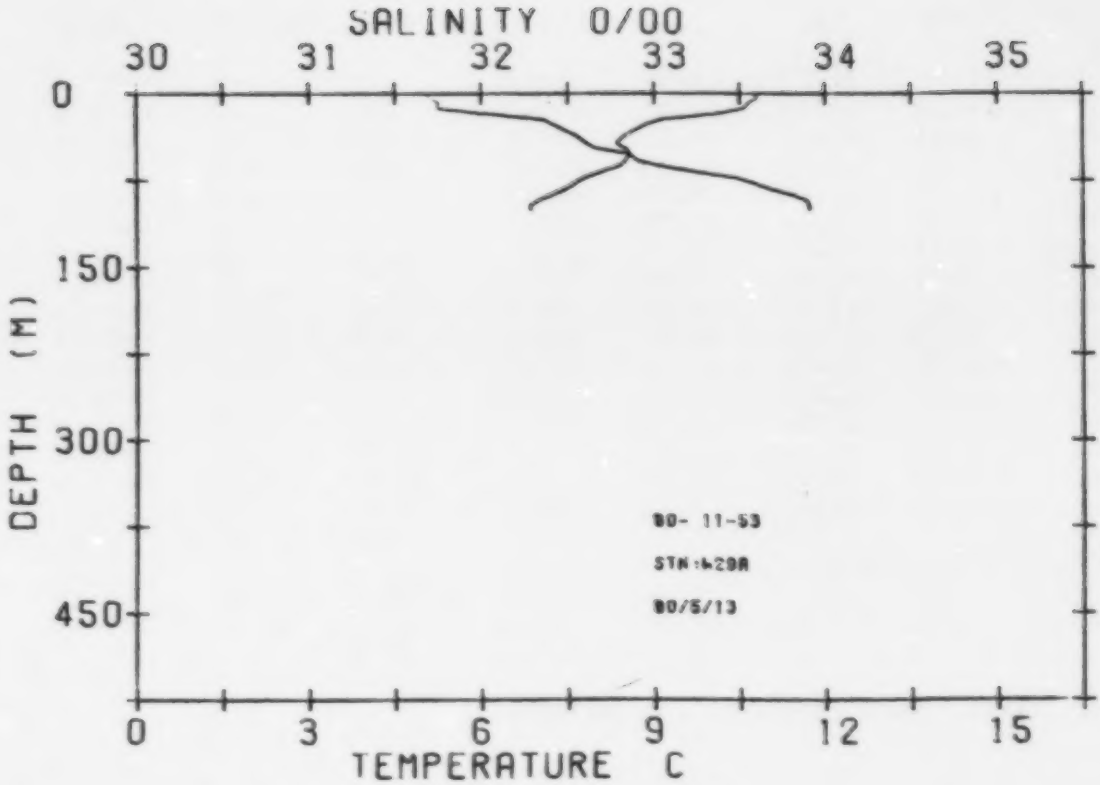
DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.29	31.37	23.94	398.1	.00	.00	1490.4
10	10.09	31.83	24.49	345.3	.36	.02	1486.8
20	8.83	32.50	25.21	277.0	.67	.06	1483.2
30	8.65	32.57	25.30	269.0	.94	.13	1482.7
50	8.36	32.58	25.35	264.3	1.47	.34	1482.0
75	8.20	33.06	25.75	227.0	2.12	.74	1482.4
100	7.77	33.60	26.23	181.1	2.62	1.18	1481.8
125	7.48	33.84	26.46	159.7	3.04	1.66	1481.4
150	7.02	33.91	26.58	148.5	3.42	2.18	1480.1
175	6.72	33.94	26.65	142.8	3.79	2.77	1479.4
200	6.58	33.93	26.66	141.7	4.14	3.43	1479.3
225	6.38	33.95	26.70	138.3	4.49	4.17	1478.9
250	6.27	33.97	26.73	135.7	4.83	4.99	1478.9
300	5.70	34.01	26.83	126.4	5.49	6.80	1477.4
400	5.09	34.06	26.94	116.6	6.71	11.06	1476.6
500	4.59	34.10	27.03	108.5	7.83	16.09	1476.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
547.0	4.45	34.12	27.06	105.9	8.33	18.71	1476.5

WIND MIXED LAYER DEPTH = 6.9 METRES

24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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-53
STN:420A
80/5/13
0
3
6
9
12
15
TEMPERATURE C

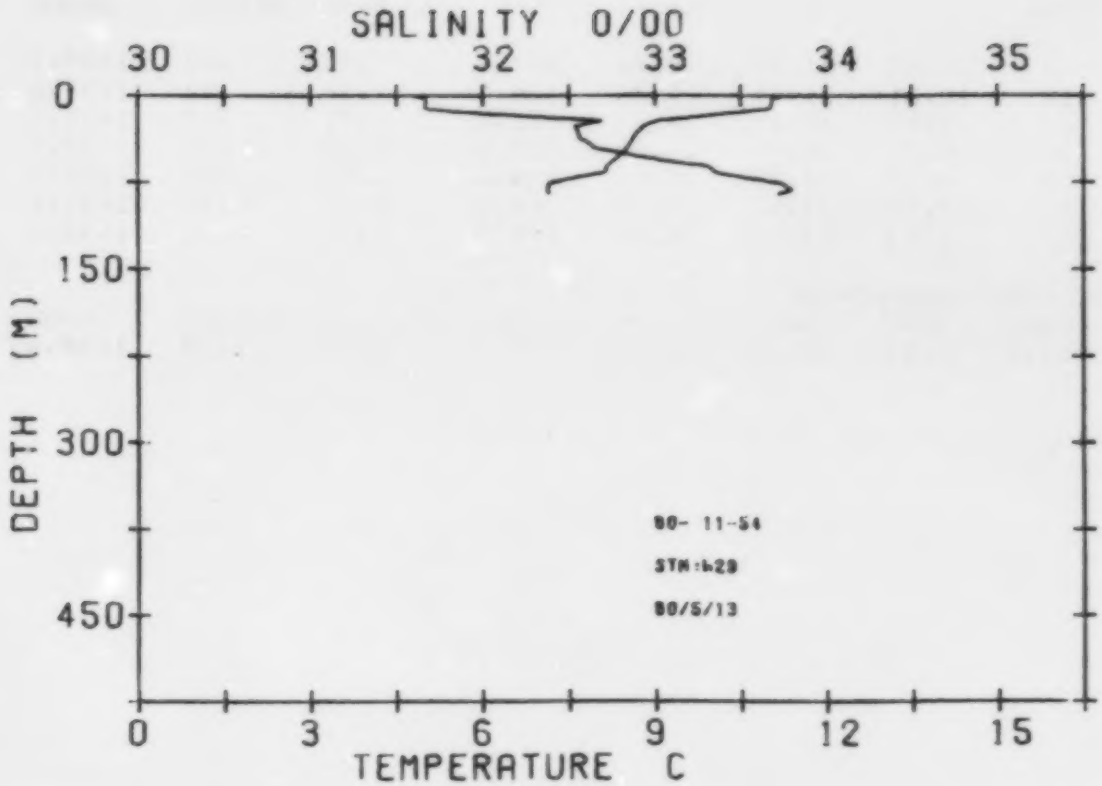
CRUISE : C.O.D.E. 80-11.
STATION: #29A CONS #053
LAT N 49 43.3 LONG W 127 29.0
DATE 80/05/13 TIME (PST) 0344

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.81	31.69	24.26	367.4	.00	.00	1489.1
10	10.61	31.75	24.34	359.8	.36	.02	1488.6
20	9.65	32.18	24.83	312.9	.71	.07	1485.8
30	8.72	32.46	25.20	277.9	1.00	.14	1482.8
50	8.53	32.75	25.45	254.6	1.53	.35	1482.8
75	7.70	33.53	26.19	184.6	2.09	.70	1481.1
100	6.83	33.91	26.61	145.3	2.50	1.05	1478.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
101.0	6.83	33.91	26.61	145.3	2.51	1.07	1478.6

WIND MIXED LAYER DEPTH = 8.0 METRES


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-54
STN:429
80/5/13
0
3
6
9
12
15
TEMPERATURE C

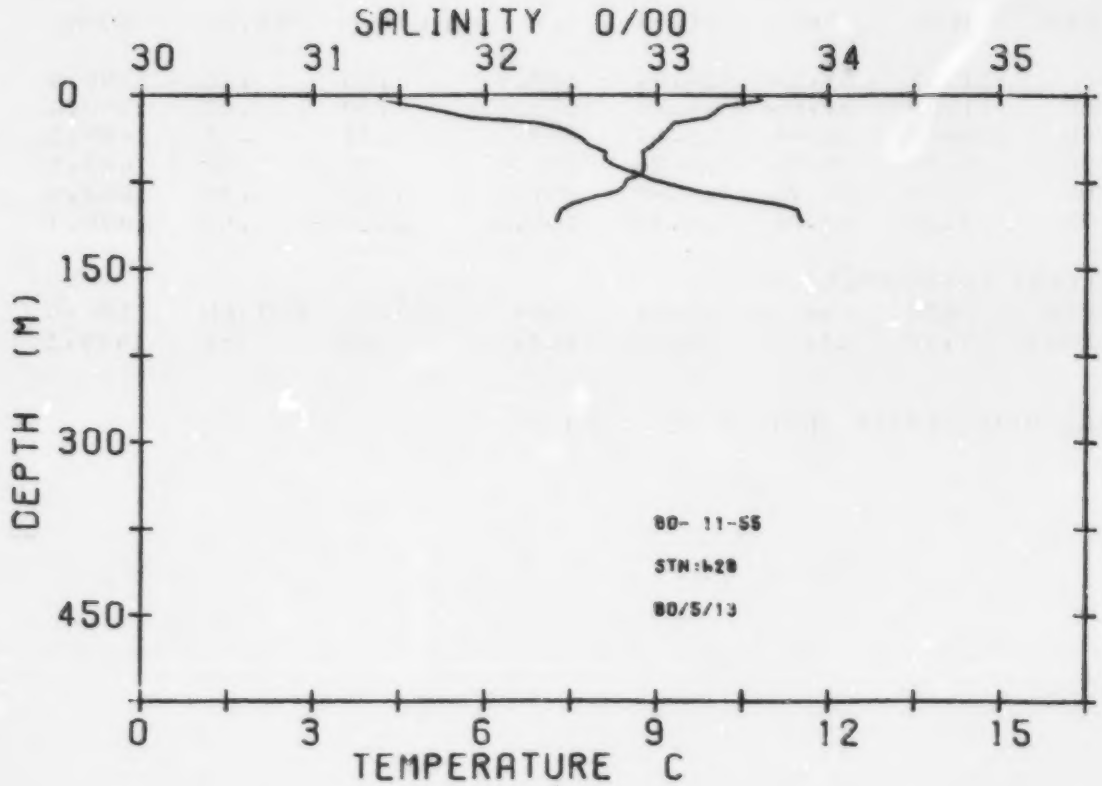
CRUISE : C.O.D.E. 80-11.
STATION: W29 CONS #054
LAT N 49 46.0 LONG W 127 20.0
DATE 80/05/13 TIME (PST) 0418

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.37	31.54	24.04	387.9	.00	.00	1490.9
10	11.03	31.66	24.20	373.0	.38	.02	1490.0
20	9.42	32.44	25.07	289.9	.71	.07	1485.3
30	8.74	32.54	25.26	272.4	.99	.14	1483.0
50	8.43	32.76	25.48	251.8	1.52	.35	1482.5
75	7.31	33.66	26.35	169.8	2.05	.67	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
86.0	7.13	33.72	26.42	163.2	2.23	.82	1479.3

WIND MIXED LAYER DEPTH = 11.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-55
STN:428
80/5/13
0
3
6
9
12
15
TEMPERATURE C

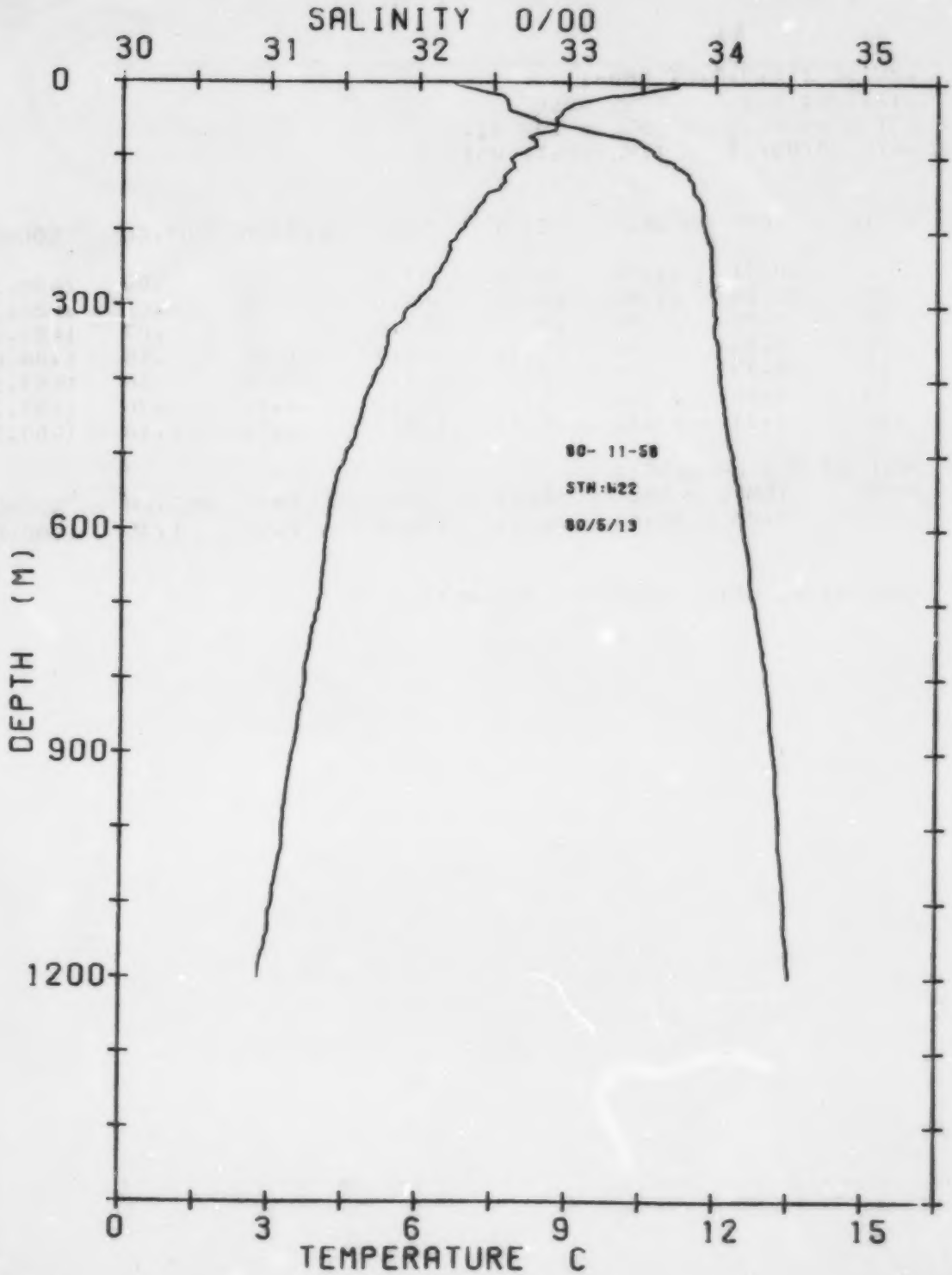
CRUISE : C.O.D.E. 80-11.
STATION: W28 CONS #055
LAT N 49 40.5 LONG W 127 11.0
DATE 80/05/13 TIME (PST) 0517

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.71	31.39	24.04	387.7	.00	.00	1488.3
10	10.13	31.60	24.31	362.8	.38	.02	1486.7
20	9.75	31.98	24.66	328.9	.73	.07	1485.9
30	9.18	32.45	25.12	285.9	1.03	.15	1484.6
50	8.73	32.70	25.38	260.9	1.58	.36	1483.5
75	8.46	33.00	25.66	235.2	2.21	.76	1483.3
100	7.31	33.82	26.47	158.3	2.70	1.18	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
110.0	7.23	33.85	26.51	155.2	2.86	1.35	1480.2

WIND MIXED LAYER DEPTH = 3.9 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-58
STN:422
80/5/13
0
3
6
9
12
15
TEMPERATURE C

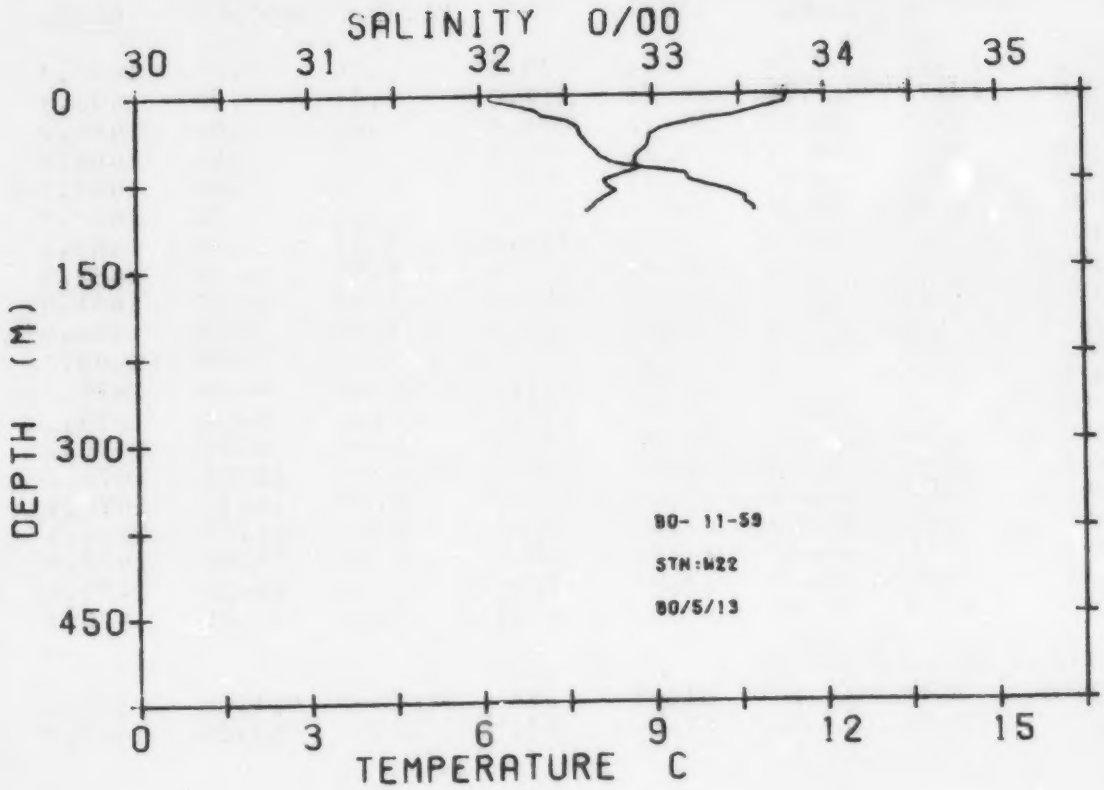
CRUISE : C.O.D.E. 80-11.
STATION: W22 CONS #058
LAT N 49 04.5 LONG W 127 11.0
DATE 80/05/13 TIME (PST) 1842

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.22	32.24	24.61	333.5	.00	.00	1491.3
10	10.78	32.35	24.78	317.8	.33	.02	1490.0
20	9.75	32.57	25.12	285.8	.63	.06	1486.7
30	9.11	32.59	25.24	274.2	.91	.13	1484.5
50	8.75	32.76	25.43	256.6	1.44	.34	1483.7
75	8.22	33.36	25.98	204.6	2.03	.71	1482.9
100	7.91	33.59	26.20	183.8	2.51	1.13	1482.4
125	7.72	33.82	26.41	164.4	2.95	1.62	1482.3
150	7.38	33.85	26.49	157.5	3.35	2.17	1481.5
175	7.11	33.92	26.58	149.4	3.73	2.79	1480.9
200	6.82	33.93	26.63	145.1	4.10	3.48	1480.2
225	6.62	33.97	26.68	139.9	4.46	4.24	1479.8
250	6.44	33.97	26.71	137.8	4.81	5.06	1479.5
300	5.88	34.00	26.80	129.4	5.48	6.91	1478.2
400	5.08	34.03	26.92	118.5	6.71	11.21	1476.6
500	4.53	34.12	27.06	106.3	7.84	16.28	1476.1
600	4.17	34.19	27.15	97.8	8.85	21.85	1476.3
800	3.71	34.35	27.32	82.6	10.66	34.45	1477.9
1000	3.28	34.44	27.44	72.5	12.20	48.28	1479.4
1200	2.79	34.51	27.54	63.1	13.56	63.25	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	2.79	34.51	27.54	63.1	13.56	63.25	1480.7

WIND MIXED LAYER DEPTH = 5.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-59
STN:W22
80/5/13
0
3
6
9
12
15
TEMPERATURE C

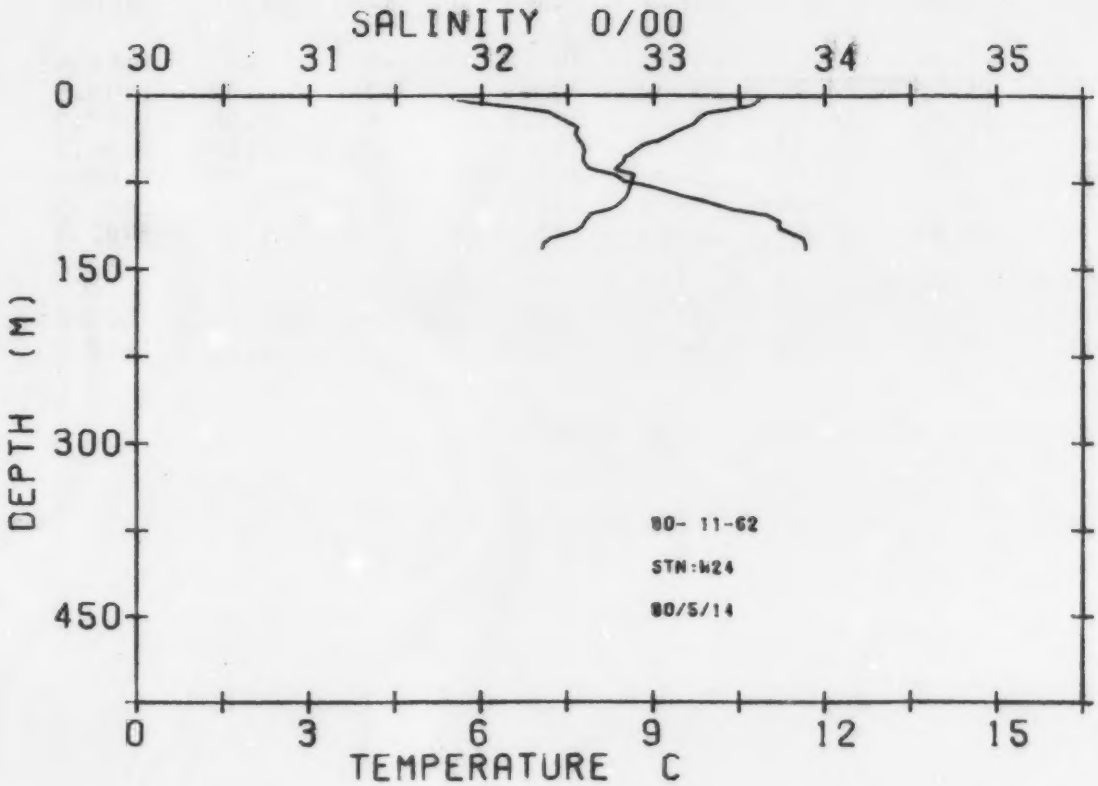
CRUISE : C.O.D.E. 80-11.
STATION: W22 CONS #059
LAT N 49 04.5 LONG W 127 11.0
DATE 80/05/13 TIME (PST) 1955

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.32	32.05	24.45	349.2	.00	.00	1491.4
10	11.08	32.22	24.62	332.9	.34	.02	1490.9
20	10.08	32.42	24.95	301.8	.66	.06	1487.7
30	9.07	32.57	25.23	275.0	.95	.14	1484.3
50	8.76	32.68	25.36	262.9	1.49	.35	1483.6
75	8.16	33.26	25.91	211.5	2.09	.72	1482.5
100	7.87	33.59	26.21	183.2	2.57	1.15	1482.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
101.0	7.84	33.59	26.21	182.8	2.59	1.16	1482.1

WIND MIXED LAYER DEPTH = 8.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-62
STN:W24
80/5/14
0
3
6
9
12
15
TEMPERATURE C

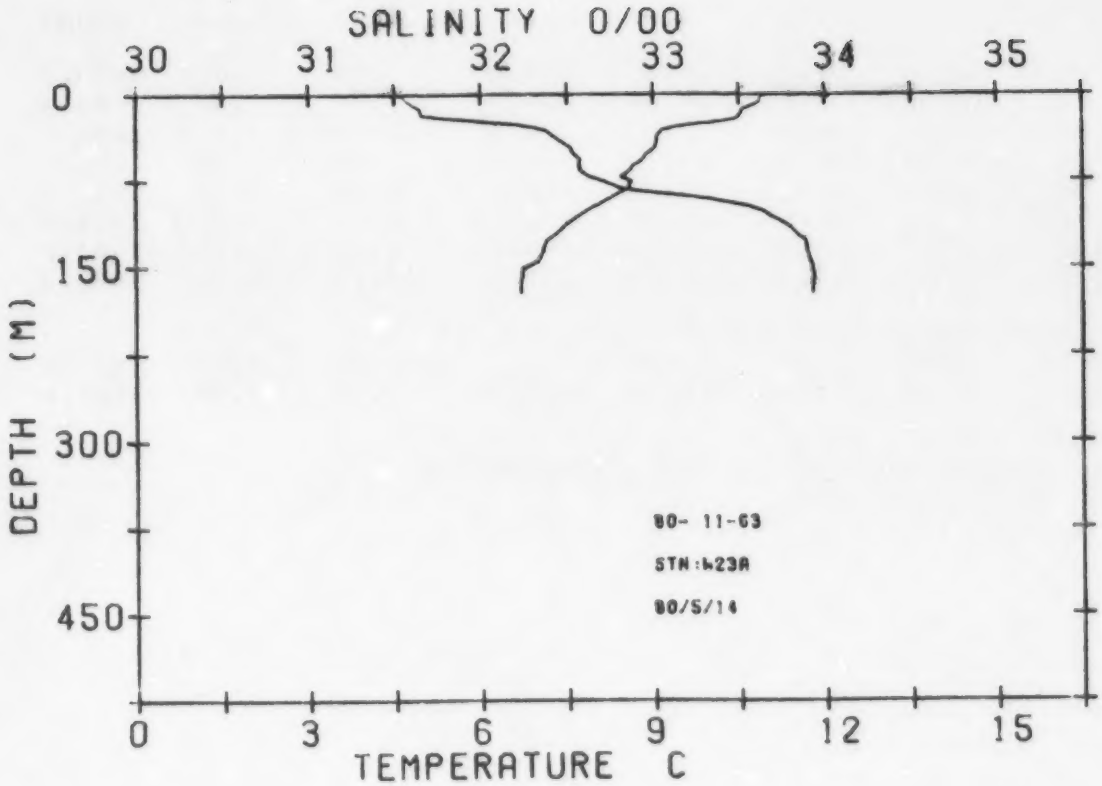
CRUISE : C.O.D.E. 80-11.
STATION: W24 CONS #062
LAT N 49 15.5 LONG W 126 53.0
DATE 80/05/14 TIME (PST) 0100

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.94	31.83	24.35	359.0	.00	.00	1489.7
10	10.55	32.15	24.66	329.2	.35	.02	1488.9
20	9.76	32.45	25.03	294.3	.66	.06	1486.6
30	9.46	32.56	25.16	282.2	.95	.14	1485.8
50	8.62	32.60	25.32	266.8	1.49	.35	1483.0
75	8.62	32.83	25.50	250.0	2.15	.76	1483.7
100	8.17	33.50	26.10	194.2	2.70	1.24	1483.2
125	7.17	33.88	26.54	152.3	3.13	1.72	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
134.0	7.05	33.89	26.56	150.2	3.27	1.90	1480.0

WIND MIXED LAYER DEPTH = 4.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-63
STN:423A
80/5/14
0
3
6
9
12
15
TEMPERATURE C

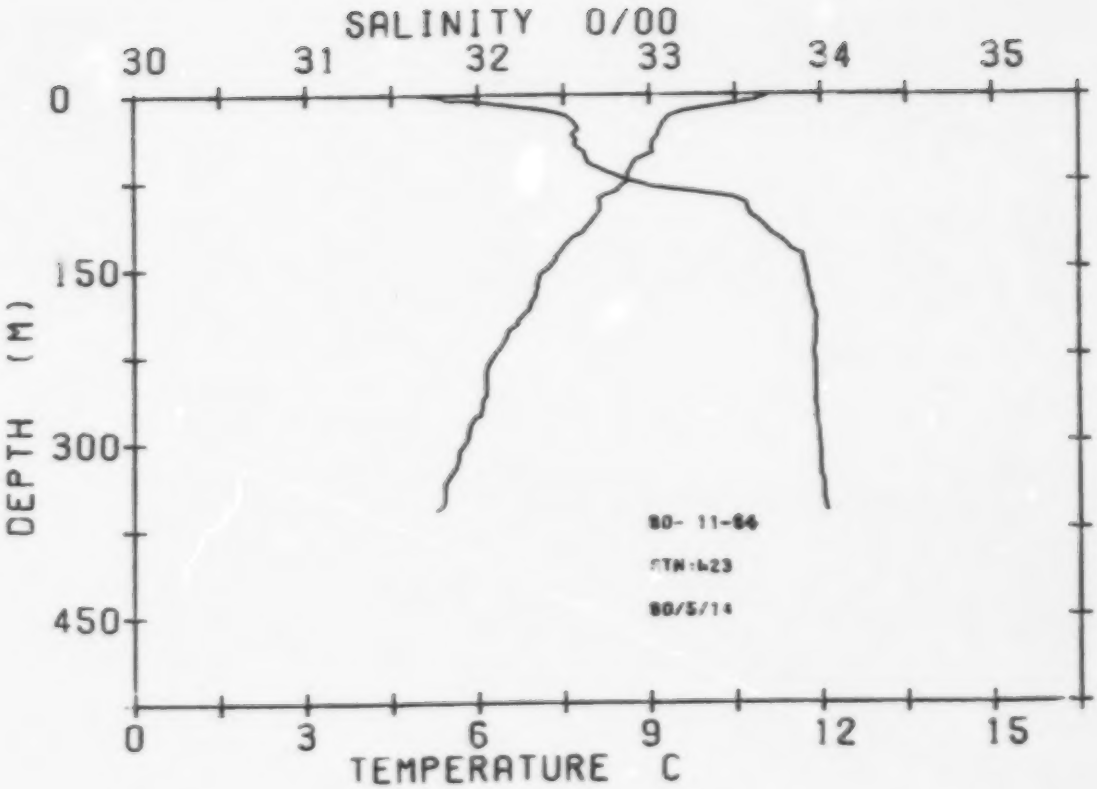
CRUISE : C.O.D.E. 80-11.
STATION: W23A CONS #003
LAT N 49 12.8 LONG W 126 57.5
DATE 80/05/14 TIME (PST) 0145

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.98	31.53	24.10	382.0	.00	.00	1489.5
10	10.71	31.61	24.22	371.3	.38	.02	1488.8
20	10.46	31.74	24.36	358.2	.74	.07	1488.2
30	9.33	32.32	25.00	297.5	1.07	.15	1485.0
50	8.96	32.53	25.22	276.8	1.64	.38	1484.2
75	8.55	32.68	25.40	259.9	2.31	.80	1483.2
100	7.88	33.60	26.22	182.4	2.87	1.29	1482.3
125	7.20	33.87	26.53	153.5	3.29	1.75	1480.4
150	6.80	33.93	26.63	144.1	3.66	2.27	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
173.0	6.70	33.93	26.64	143.2	3.99	2.80	1479.3

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-84
STN:623
80/5/14
0
3
6
9
12
15
TEMPERATURE C

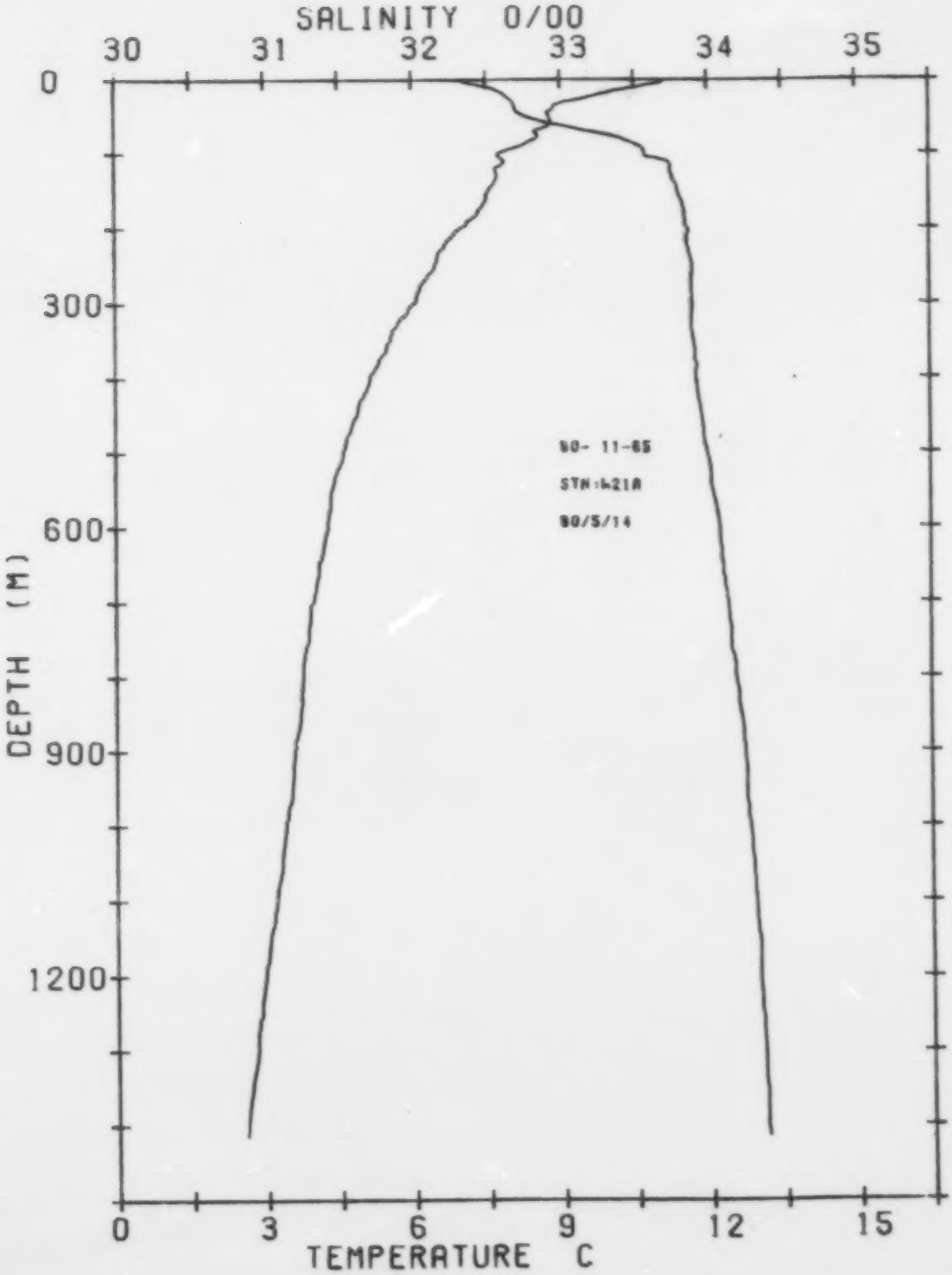
CRUISE : C.O.D.E. 80-11.
STATION: #23 CONS 4064
LAT N 49 10.0 LONG W 127 02.0
DATE 80/05/14 TIME (PST) 0245

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.06	31.66	24.19	373.5	.00	.00	1489.9
10	10.09	32.21	24.79	317.0	.35	.02	1487.3
20	9.30	32.53	25.17	281.3	.64	.06	1485.0
30	9.17	32.59	25.23	275.2	.92	.13	1484.7
50	9.02	32.62	25.28	271.0	1.47	.35	1484.5
75	8.57	32.92	25.58	242.6	2.12	.75	1483.6
100	8.12	33.58	26.17	187.5	2.64	1.20	1483.2
125	7.62	33.77	26.39	166.8	3.08	1.70	1481.9
150	7.22	33.91	26.56	151.1	3.47	2.24	1480.9
175	6.99	33.95	26.62	145.2	3.84	2.84	1480.5
200	6.63	33.97	26.68	139.7	4.20	3.51	1479.5
225	6.28	33.96	26.72	136.1	4.54	4.24	1478.5
250	6.16	33.97	26.74	134.3	4.88	5.04	1478.4
300	5.79	33.99	26.81	128.7	5.54	6.85	1477.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
358.0	5.27	34.04	26.91	119.5	6.26	9.23	1476.7

WIND MIXED LAYER DEPTH = 3.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-65
STN:421A
80/5/14
0
3
6
9
12
15
TEMPERATURE C

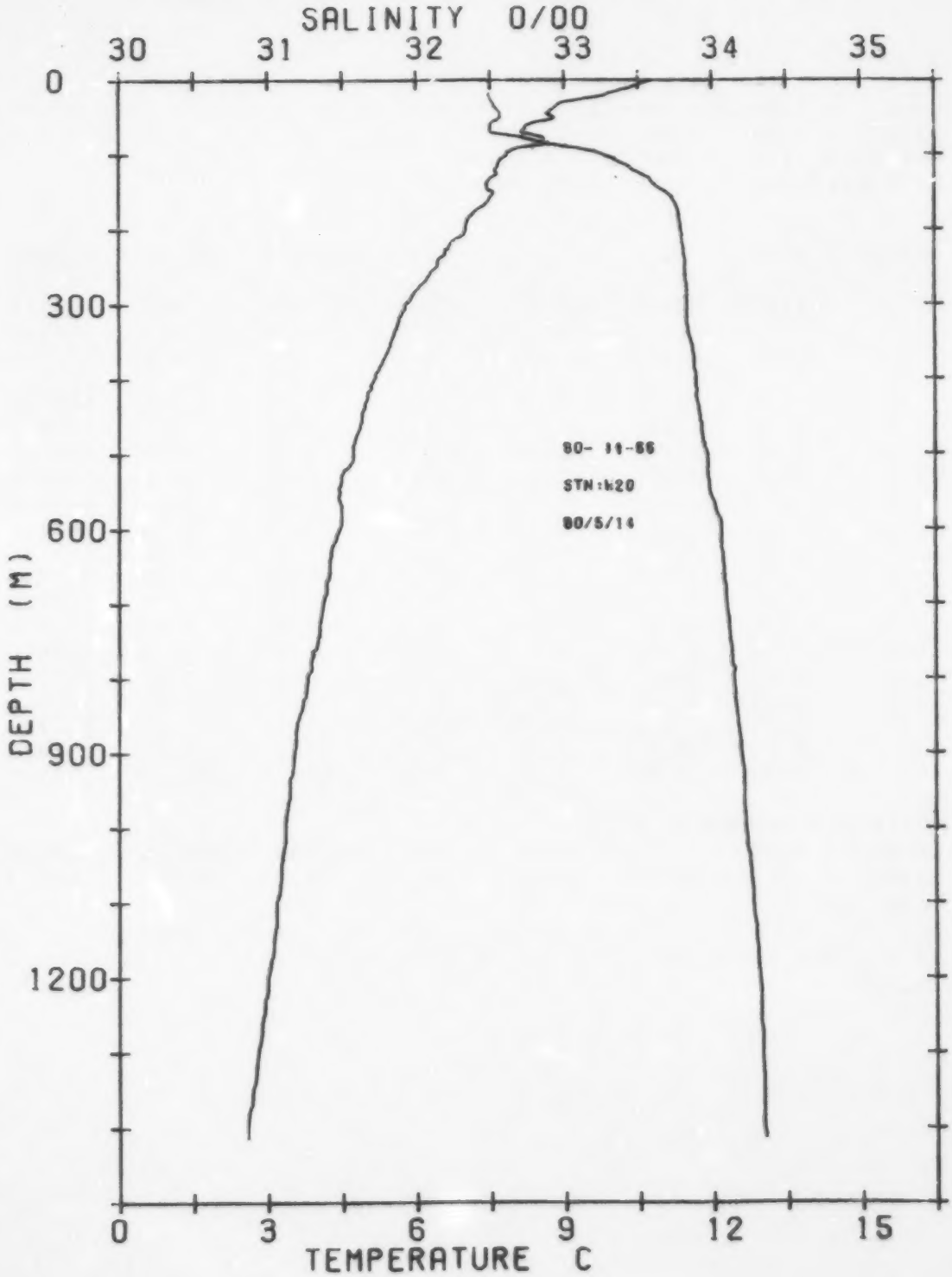
CRUISE : C.O.D.E. 80-11.
STATION: #21A CONS #065
LAT N 49 01.8 LONG W 127 15.3
DATE 80/05/14 TIME (PST) 0425

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.11	32.23	24.63	332.1	.00	.00	1490.8
10	10.53	32.51	24.94	302.2	.32	.02	1489.3
20	9.81	32.62	25.15	282.7	.61	.06	1487.0
30	9.10	32.68	25.31	267.5	.89	.13	1484.6
50	8.78	32.76	25.42	257.2	1.41	.34	1483.8
75	8.59	33.35	25.91	211.0	2.01	.71	1484.2
100	7.74	33.58	26.22	182.2	2.50	1.13	1481.7
125	7.72	33.75	26.36	169.6	2.93	1.62	1482.3
150	7.56	33.80	26.42	164.1	3.35	2.20	1482.1
175	7.37	33.85	26.48	158.3	3.75	2.85	1481.9
200	6.98	33.87	26.56	151.7	4.14	3.58	1480.7
225	6.65	33.87	26.60	147.9	4.52	4.38	1479.9
250	6.48	33.90	26.65	143.6	4.88	5.24	1479.6
300	6.06	33.90	26.70	138.9	5.59	7.19	1478.8
400	5.16	33.92	26.83	127.6	6.92	11.83	1476.8
500	4.62	33.99	26.95	116.8	8.14	17.31	1476.3
600	4.29	34.08	27.05	107.7	9.26	23.46	1476.6
800	3.77	34.18	27.16	95.9	11.29	37.64	1477.9
1000	3.42	34.27	27.29	86.7	13.11	53.98	1479.8
1200	2.98	34.33	27.38	78.6	14.76	72.08	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1415.0	2.59	34.38	27.45	71.6	16.37	93.13	1483.3

WIND MIXED LAYER DEPTH = 3.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-66
STN:W20
80/5/14
0
3
6
9
12
15
TEMPERATURE C

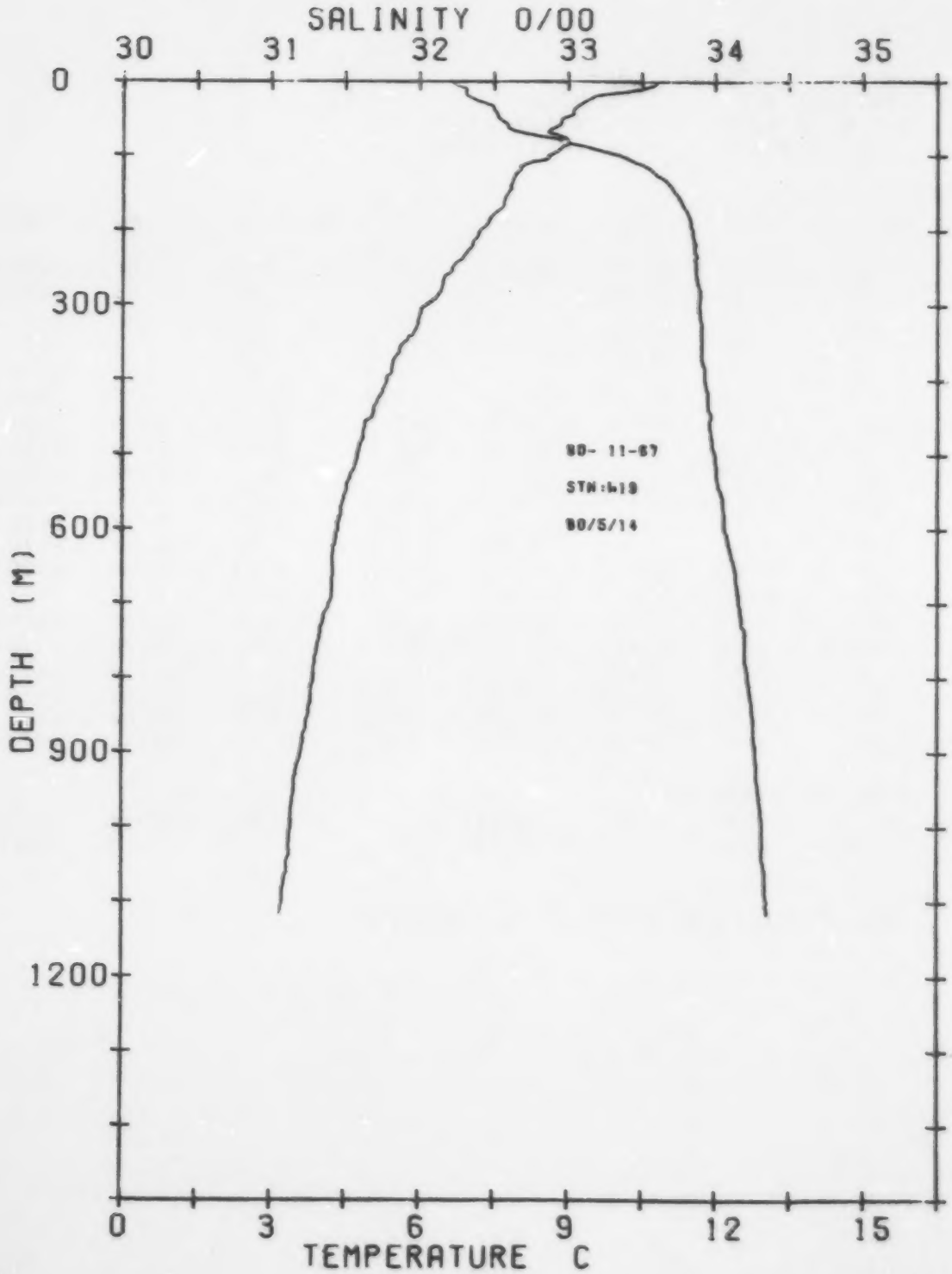
CRUISE : C.O.D.E. 80-11.
STATION: W20 CONS #066
LAT N 48 53.5 LONG W 127 29.0
DATE 80/05/14 TIME (PST) 0714

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.78	32.50	24.89	306.7	.00	.00	1490.0
10	10.33	32.50	24.97	299.7	.30	.02	1488.6
20	9.84	32.49	25.05	292.6	.60	.06	1486.9
30	8.98	32.51	25.20	278.0	.88	.13	1483.9
50	8.79	32.57	25.27	271.3	1.43	.35	1483.6
75	8.50	32.65	25.38	261.7	2.10	.77	1483.0
100	7.84	33.25	25.95	207.9	2.69	1.28	1481.7
125	7.64	33.51	26.18	186.5	3.18	1.83	1481.6
150	7.54	33.68	26.33	172.8	3.63	2.44	1481.9
175	7.22	33.77	26.45	161.8	4.05	3.12	1481.1
200	7.01	33.79	26.49	158.1	4.44	3.87	1480.8
225	6.66	33.81	26.55	152.3	4.83	4.69	1479.8
250	6.42	33.82	26.59	148.8	5.21	5.58	1479.3
300	5.80	33.83	26.68	140.9	5.93	7.57	1477.6
400	5.19	33.89	26.80	130.1	7.29	12.32	1476.8
500	4.74	33.97	26.91	120.2	8.55	17.96	1476.7
600	4.47	34.06	27.01	111.1	9.70	24.32	1477.4
800	3.82	34.14	27.15	99.3	11.81	39.01	1478.0
1000	3.36	34.22	27.26	89.6	13.68	55.82	1479.5
1200	3.01	34.31	27.36	80.4	15.38	74.46	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1414.0	2.57	34.35	27.43	73.6	17.02	95.96	1483.1

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
BD- 11-67
STN:618
80/5/14
0
3
6
9
12
15
TEMPERATURE C

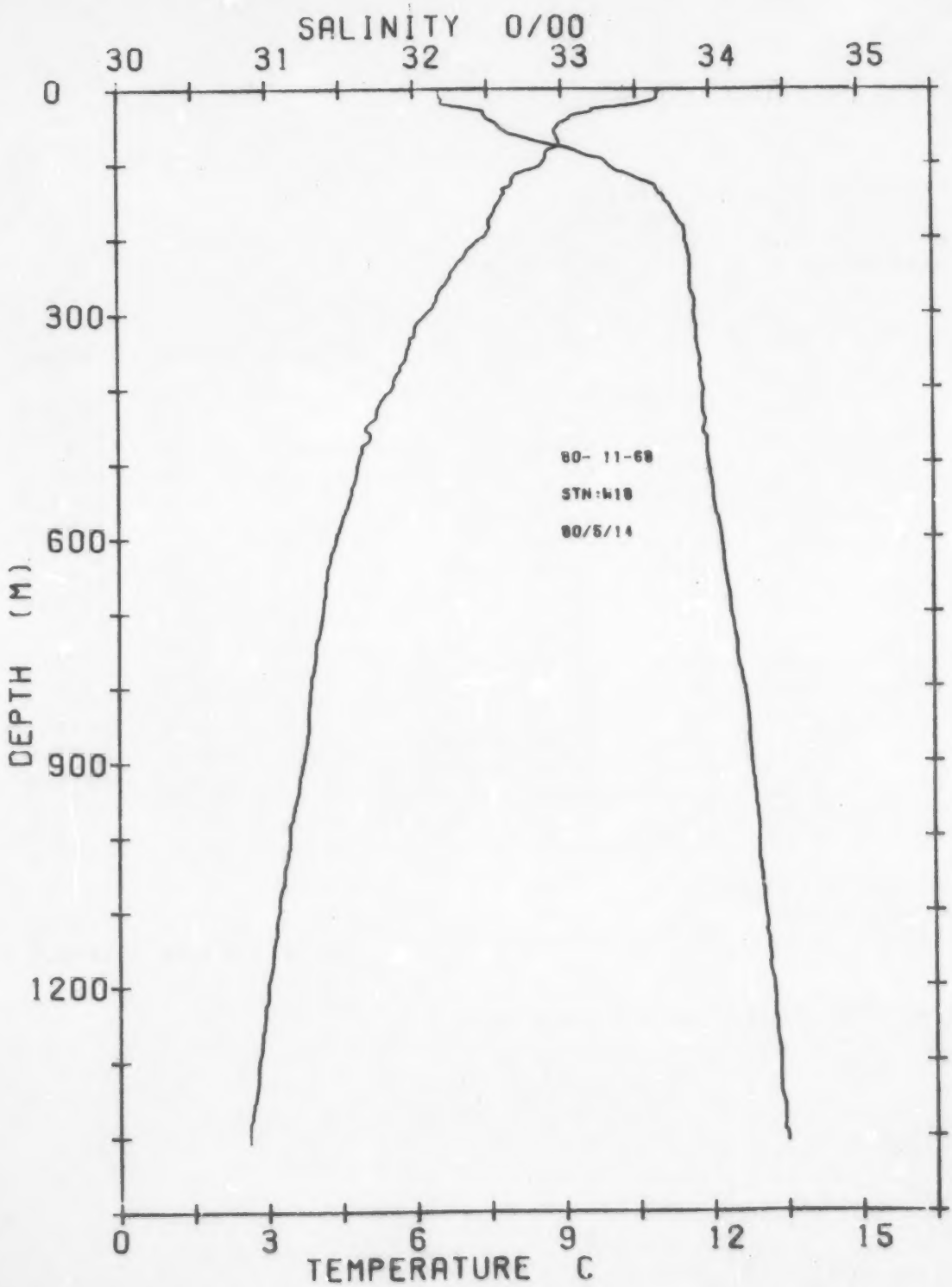
CRUISE : C.O.D.E. 80-11.
STATION: W19 CONS #067
LAT N 48 48.0 LONG W 127 37.5
DATE 80/05/14 TIME (PST) 0925

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.81	32.23	24.68	327.2	.00	.00	1489.8
10	10.46	32.32	24.81	315.1	.32	.02	1488.8
20	9.55	32.32	24.96	300.6	.63	.06	1485.6
30	9.28	32.45	25.10	287.3	.93	.14	1484.9
50	8.88	32.53	25.23	275.7	1.49	.36	1483.9
75	8.92	32.84	25.46	253.9	2.16	.78	1484.8
100	8.62	33.35	25.91	211.9	2.74	1.29	1484.8
125	7.94	33.60	26.20	184.2	3.23	1.84	1482.9
150	7.79	33.73	26.33	172.8	3.68	2.45	1482.9
175	7.54	33.81	26.43	163.3	4.10	3.13	1482.4
200	7.23	33.85	26.51	156.6	4.50	3.88	1481.7
225	7.02	33.86	26.54	153.3	4.88	4.70	1481.3
250	6.67	33.87	26.60	148.3	5.26	5.60	1480.3
300	6.14	33.89	26.68	140.7	5.98	7.58	1479.1
400	5.34	33.93	26.81	129.0	7.33	12.27	1477.5
500	4.75	34.00	26.94	117.8	8.56	17.81	1476.8
600	4.35	34.06	27.03	109.7	9.69	24.03	1476.9
800	3.86	34.22	27.21	93.9	11.70	38.07	1478.3
1000	3.41	34.32	27.33	82.9	13.46	53.88	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1117.0	3.19	34.35	27.37	79.0	14.42	63.94	1480.9

WIND MIXED LAYER DEPTH = 6.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-68
STN:W18
80/5/14
0
3
6
9
12
15
TEMPERATURE C

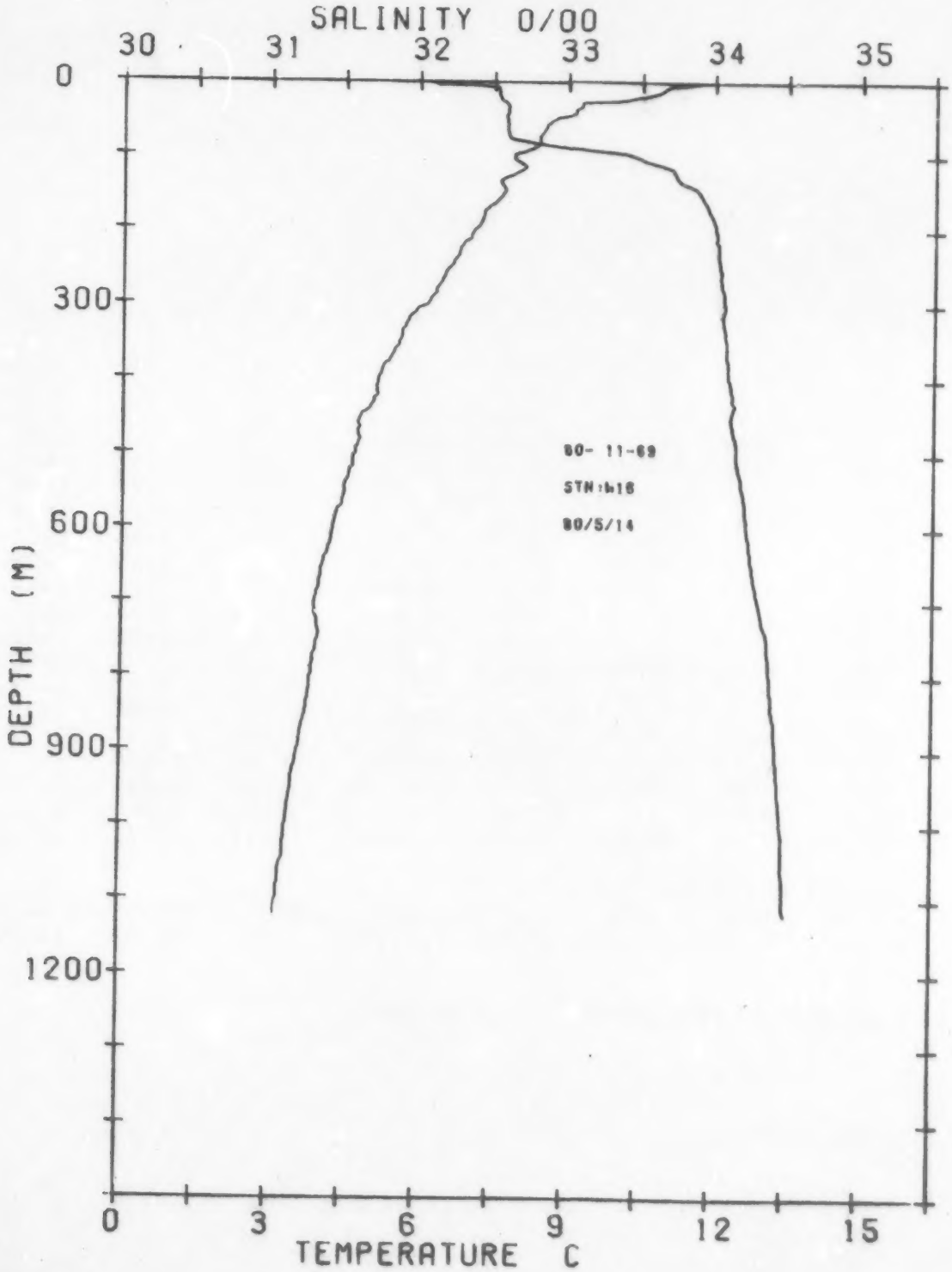
CRUISE : C.O.D.E. 80-11.
STATION: W18 CONS #068
LAT N 48 42.0 LONG W 127 46.0
DATE 80/05/14 TIME (PST) 1144

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.02	32.17	24.60	335.0	.00	.00	1490.5
10	10.96	32.18	24.61	333.7	.33	.02	1490.4
20	10.47	32.19	24.71	325.0	.66	.07	1488.8
30	9.64	32.48	25.07	290.6	.97	.14	1486.3
50	8.91	32.58	25.26	272.4	1.53	.37	1484.1
75	8.97	32.96	25.55	245.6	2.19	.77	1485.2
100	8.62	33.31	25.88	214.8	2.76	1.27	1484.7
125	8.01	33.59	26.19	185.6	3.26	1.84	1483.2
150	7.77	33.70	26.31	174.5	3.71	2.45	1482.8
175	7.53	33.79	26.42	164.8	4.13	3.14	1482.4
200	7.37	33.84	26.48	159.3	4.54	3.90	1482.2
225	7.01	33.87	26.55	152.5	4.93	4.73	1481.3
250	6.75	33.87	26.59	149.5	5.30	5.52	1480.7
300	6.28	33.89	26.66	142.5	6.03	7.63	1479.6
400	5.58	33.96	26.80	129.9	7.39	12.36	1478.5
500	4.88	33.99	26.91	120.2	8.64	17.97	1477.3
600	4.43	34.07	27.03	109.6	9.79	24.30	1477.2
800	3.89	34.22	27.20	94.0	11.83	38.51	1478.4
1000	3.44	34.32	27.33	83.3	13.60	54.44	1480.0
1200	3.01	34.41	27.44	72.8	15.17	71.71	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1409.0	2.60	34.50	27.55	62.9	16.60	90.32	1483.4

WIND MIXED LAYER DEPTH = 13.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-69
STN:W16
80/5/14
0
3
6
9
12
15
TEMPERATURE C

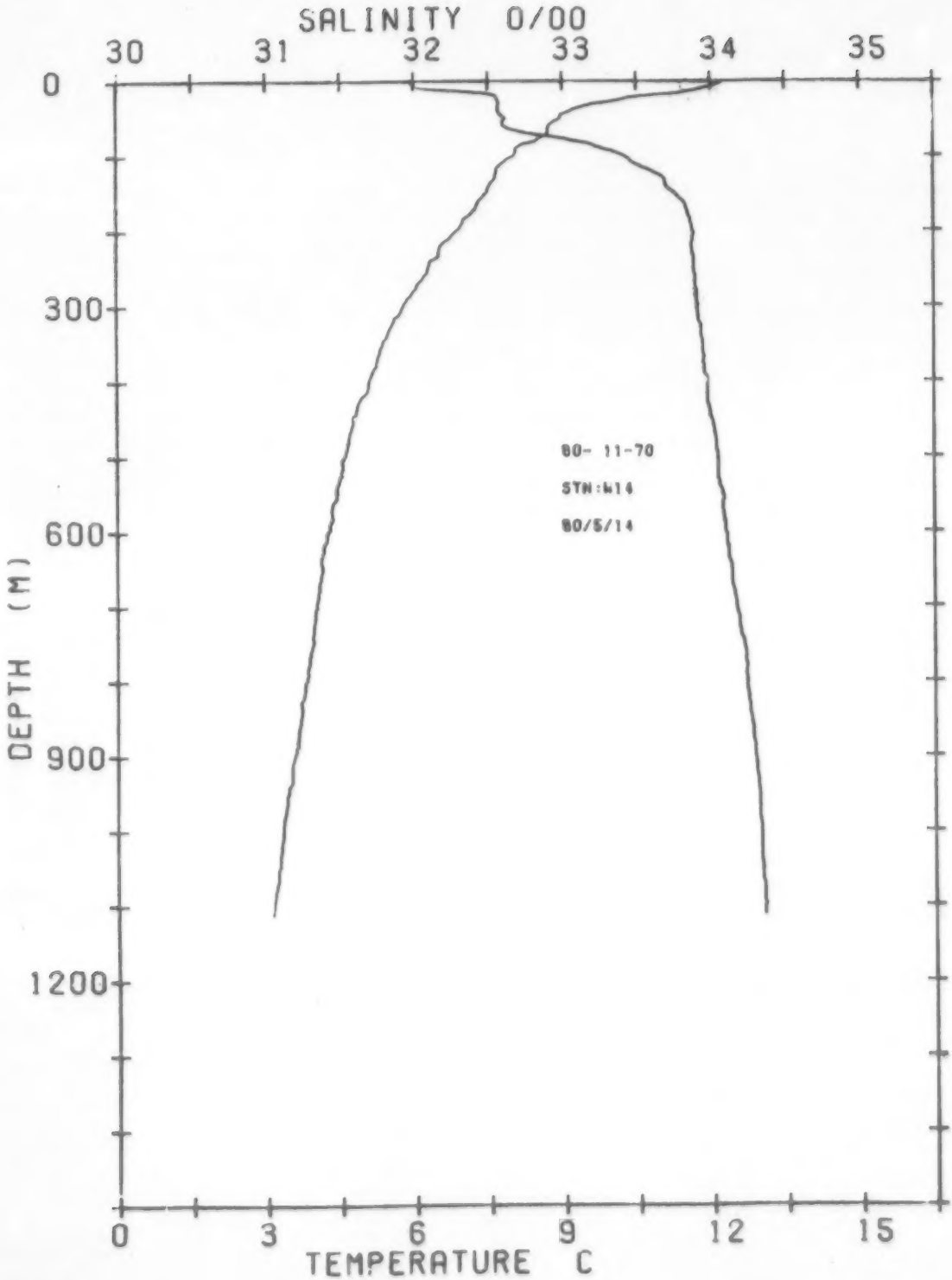
CRUISE : C.O.D.E. 80-11.
STATION: W16 CONS #069
LAT N 48 34.5 LONG W 127 30.0
DATE 80/05/14 TIME (PST) 1435

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.82	31.93	24.26	366.9	.00	.00	1493.0
10	10.96	32.53	24.89	307.7	.33	.02	1490.8
20	10.55	32.53	24.96	301.0	.64	.06	1489.5
30	9.28	32.58	25.21	277.3	.93	.13	1485.1
50	8.77	32.58	25.29	270.3	1.48	.35	1483.5
75	8.44	32.60	25.35	264.3	2.14	.77	1482.7
100	7.91	33.42	26.07	196.5	2.74	1.29	1482.1
125	7.92	33.73	26.31	173.8	3.20	1.80	1483.0
150	7.73	33.89	26.47	159.5	3.61	2.37	1482.9
175	7.33	33.96	26.58	149.3	4.00	3.00	1481.8
200	7.13	34.01	26.65	143.4	4.37	3.69	1481.5
225	6.83	34.03	26.70	138.2	4.72	4.43	1480.8
250	6.63	34.04	26.74	135.2	5.06	5.25	1480.4
300	6.20	34.08	26.82	127.4	5.72	7.05	1479.5
400	5.19	34.10	26.97	114.4	6.92	11.25	1477.1
500	4.72	34.16	27.07	105.5	8.02	16.18	1476.9
600	4.28	34.23	27.17	96.2	9.02	21.70	1476.8
800	3.85	34.40	27.35	80.4	10.78	33.93	1478.5
1000	3.37	34.48	27.46	70.6	12.29	47.50	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1120.0	3.16	34.51	27.50	66.8	13.11	56.24	1481.0

WIND MIXED LAYER DEPTH = 3.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
BO- 11-70
STN:W14
80/5/14
0
3
6
9
12
15
TEMPERATURE C

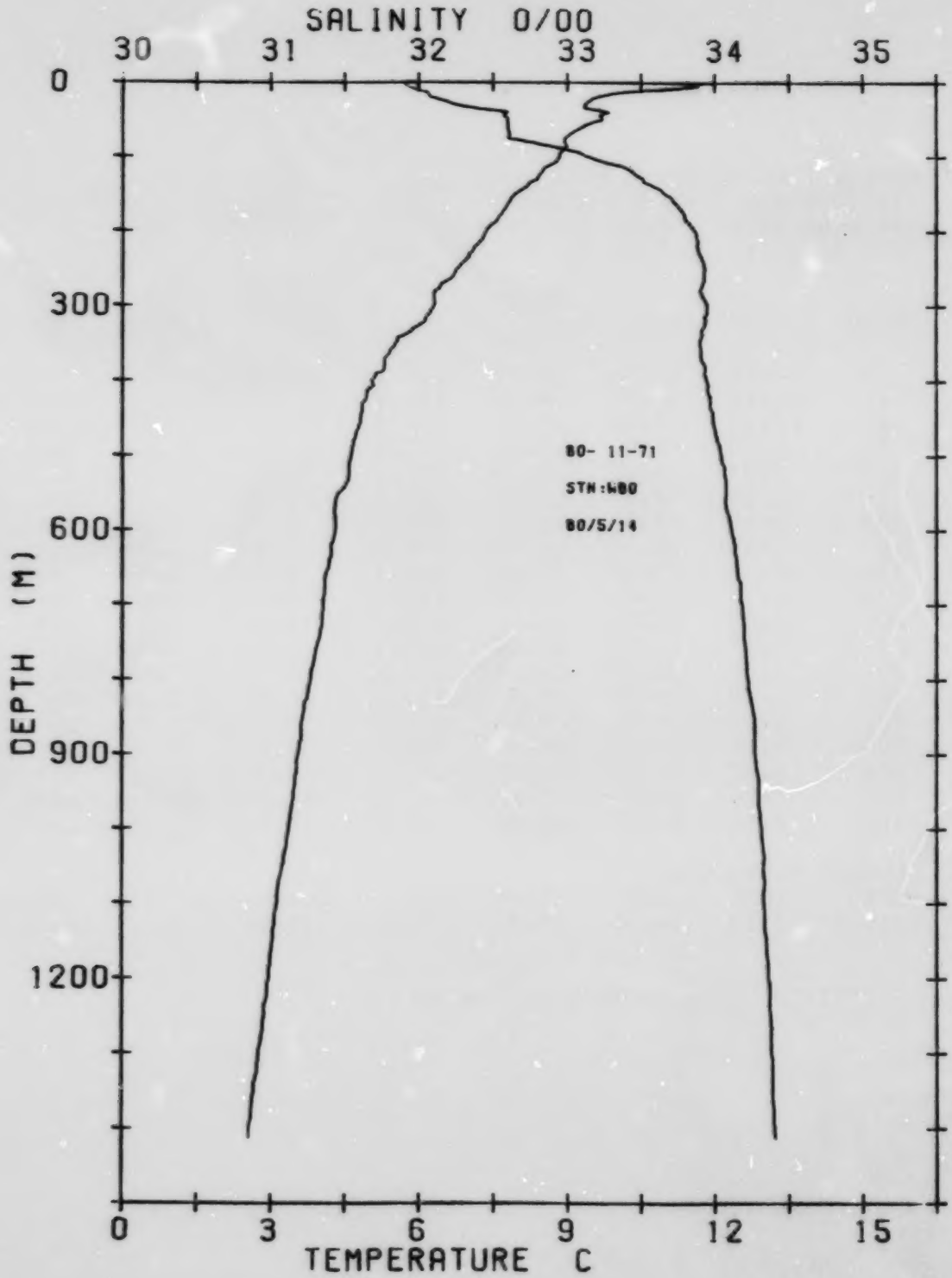
CRUISE : C.O.D.E. 80-11.
STATION: W14 CONS H070
LAT N 48 25.0 LONG W 127 09.5
DATE 80/05/14 TIME (PST) 1725

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.24	31.98	24.23	370.1	.00	.00	1494.5
10	11.76	32.05	24.37	356.9	.37	.02	1493.1
20	10.45	32.56	25.00	297.3	.69	.07	1489.2
30	9.59	32.58	25.16	282.4	.98	.14	1486.3
50	8.97	32.62	25.29	270.4	1.53	.36	1484.3
75	8.55	32.97	25.62	238.6	2.19	.77	1483.6
100	8.05	33.42	26.05	198.4	2.73	1.24	1482.7
125	7.66	33.66	26.30	175.5	3.20	1.77	1481.9
150	7.47	33.75	26.40	166.3	3.63	2.35	1481.7
175	7.16	33.85	26.52	155.3	4.03	3.00	1481.0
200	6.87	33.88	26.58	149.5	4.41	3.72	1480.3
225	6.51	33.88	26.63	145.3	4.78	4.50	1479.3
250	6.31	33.89	26.66	142.2	5.14	5.35	1478.9
300	5.79	33.92	26.75	134.1	5.83	7.25	1477.7
400	5.11	33.98	26.88	122.4	7.11	11.73	1476.6
500	4.61	34.05	26.99	112.5	8.29	17.01	1476.3
600	4.27	34.10	27.07	105.8	9.38	23.01	1476.6
800	3.80	34.24	27.23	91.7	11.35	36.74	1478.1
1000	3.33	34.33	27.34	81.2	13.07	52.22	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1115.0	3.13	34.35	27.38	78.3	13.99	61.92	1480.6

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-71
STN:480
80/5/14
0
3
6
9
12
15
TEMPERATURE C

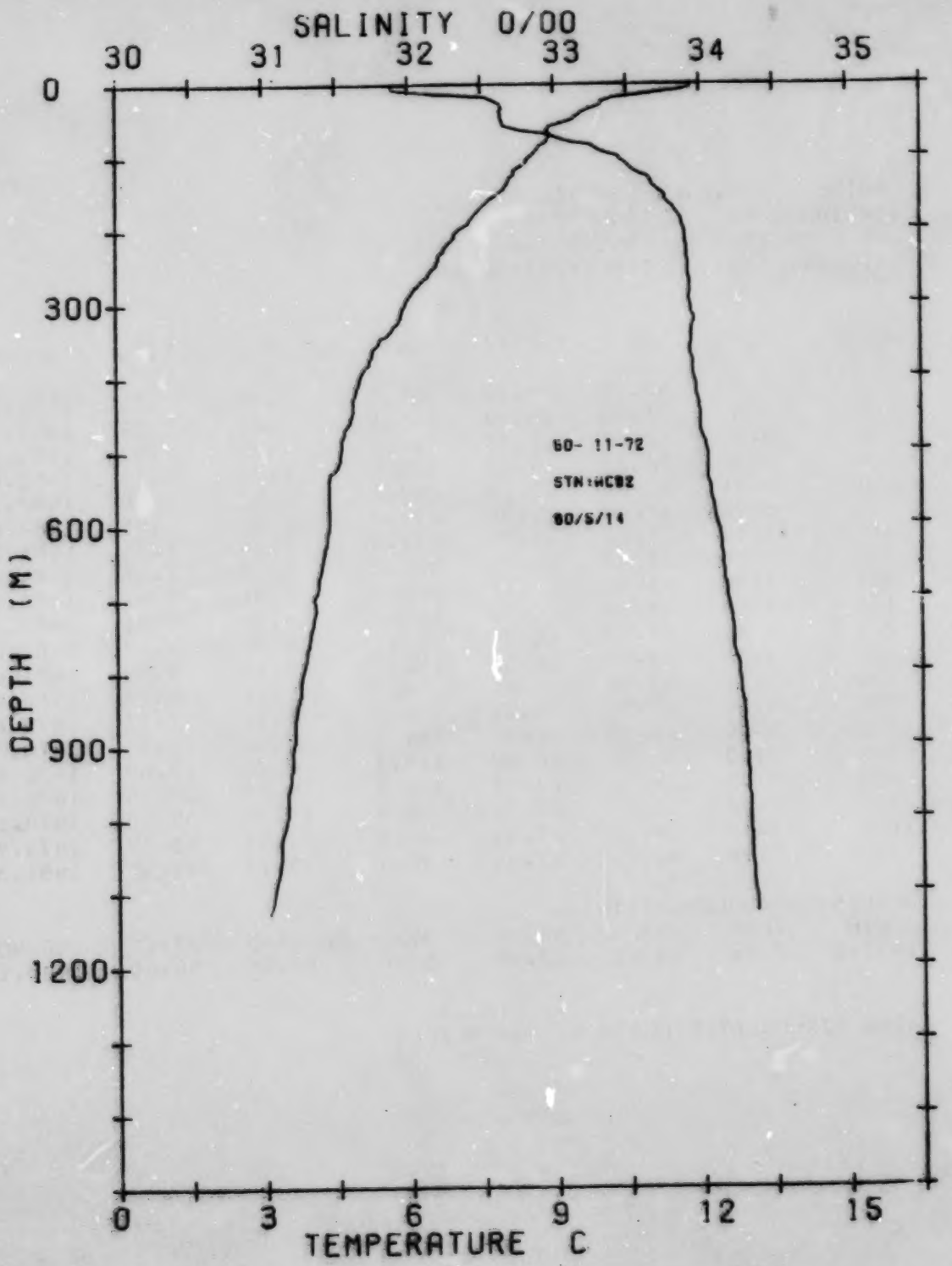
CRUISE : C.O.D.E. 80-11.
STATION: W80 CONS #071
LAT N 48 25.8 LONG W 126 50.0
DATE 80/05/14 TIME (PST) 2003

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.67	31.91	24.28	365.5	.00	.00	1492.4
10	10.80	31.98	24.49	345.8	.36	.02	1489.6
20	9.56	32.08	24.77	318.8	.69	.07	1485.4
30	9.38	32.23	24.92	305.0	1.00	.15	1485.0
50	9.71	32.60	25.15	283.1	1.58	.38	1487.1
75	8.93	32.60	25.28	271.7	2.27	.81	1484.6
100	8.84	33.13	25.70	231.4	2.90	1.35	1485.3
125	8.44	33.47	26.03	200.7	3.43	1.95	1484.6
150	7.96	33.66	26.25	180.5	3.91	2.61	1483.5
175	7.68	33.79	26.39	166.9	4.34	3.31	1483.0
200	7.36	33.87	26.50	157.1	4.75	4.07	1482.2
225	7.09	33.89	26.56	152.2	5.14	4.89	1481.6
250	6.79	33.94	26.64	144.9	5.51	5.78	1480.9
300	6.30	33.95	26.71	138.2	6.22	7.73	1479.8
400	5.05	33.95	26.86	124.0	7.54	12.35	1476.3
500	4.63	34.04	26.98	113.1	8.73	17.69	1476.4
600	4.32	34.12	27.07	105.1	9.82	23.66	1476.8
800	3.82	34.23	27.22	92.9	11.79	37.40	1478.1
1000	3.38	34.32	27.33	82.5	13.53	53.07	1479.7
1200	2.96	34.36	27.40	76.1	15.11	70.45	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1413.0	2.55	34.41	27.48	69.0	16.66	90.60	1483.1

WIND MIXED LAYER DEPTH = 4.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
60- 11-72
STN:HCB2
80/5/14
0
3
6
9
12
15
TEMPERATURE C

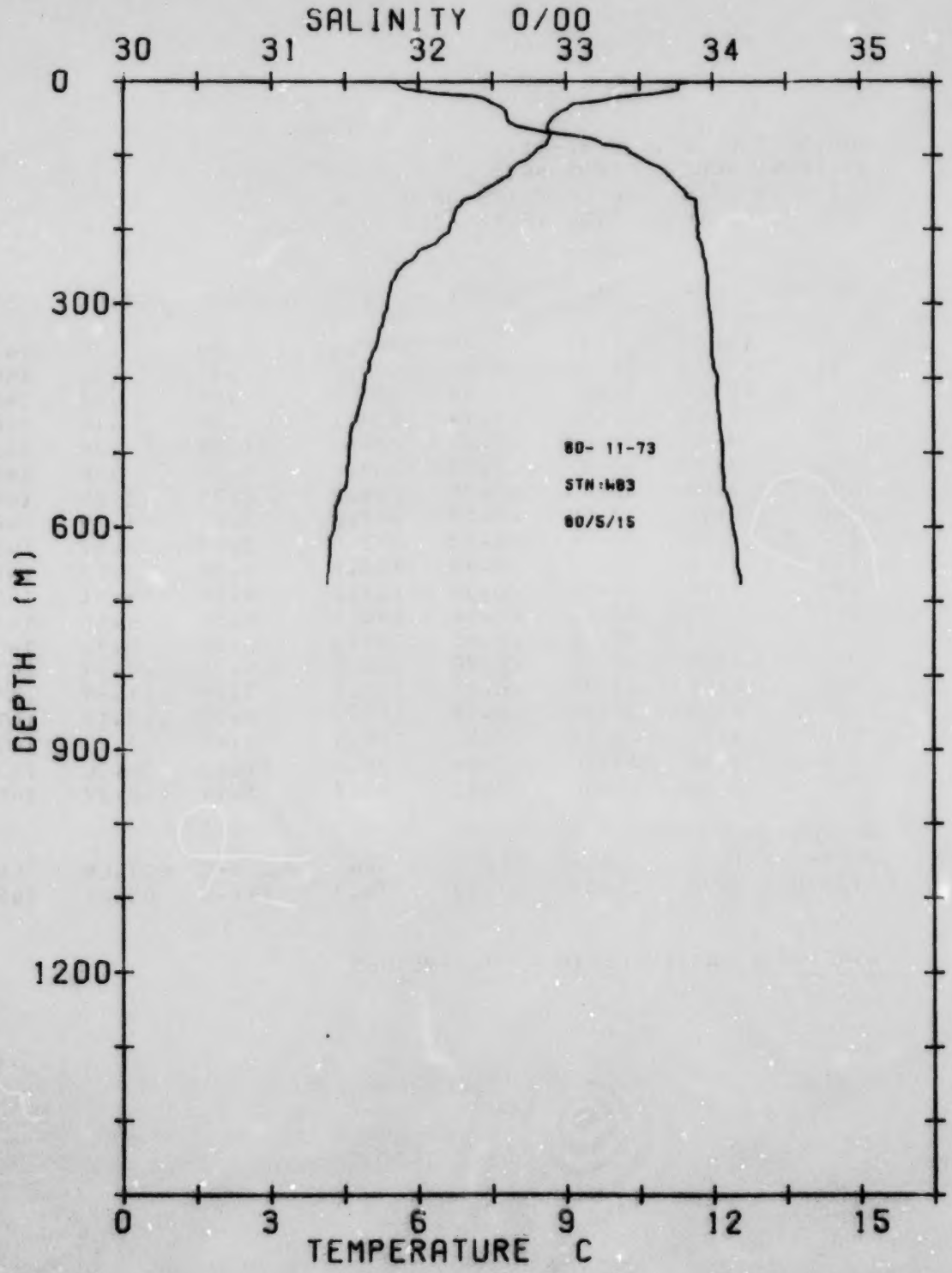
CRUISE : C.O.D.E. 80-11.
STATION: WC82 CONS #072
LAT N 48 37.2 LONG W 126 32.0
DATE 80/05/14 TIME (PST) 2300

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.79	31.89	24.24	369.1	.00	.00	1492.8
10	11.49	31.96	24.35	359.2	.37	.02	1492.0
20	10.20	32.55	25.03	293.9	.69	.07	1488.3
30	9.95	32.63	25.14	284.1	.98	.14	1487.7
50	9.35	32.64	25.24	274.5	1.54	.36	1485.8
75	8.90	33.04	25.62	238.8	2.18	.76	1485.0
100	8.52	33.43	25.99	204.2	2.73	1.24	1484.5
125	8.18	33.60	26.17	187.2	3.22	1.79	1483.8
150	7.86	33.74	26.33	172.8	3.67	2.41	1483.2
175	7.42	33.83	26.47	160.0	4.09	3.08	1482.0
200	7.06	33.89	26.56	151.2	4.48	3.81	1481.1
225	6.75	33.91	26.62	146.0	4.85	4.60	1480.3
250	6.57	33.92	26.65	143.3	5.21	5.46	1480.0
300	5.94	33.93	26.74	135.2	5.90	7.37	1478.3
400	5.00	33.95	26.87	123.1	7.19	11.87	1476.1
500	4.60	34.05	26.99	112.7	8.37	17.18	1476.3
600	4.35	34.12	27.07	105.5	9.46	23.17	1476.9
800	3.80	34.26	27.24	90.2	11.43	36.86	1478.1
1000	3.46	34.33	27.33	82.7	13.14	52.27	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1129.0	3.08	34.37	27.40	76.3	14.17	63.21	1480.6

WIND MIXED LAYER DEPTH = 7.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-73
STN:483
80/5/15
0
3
6
9
12
15
TEMPERATURE C

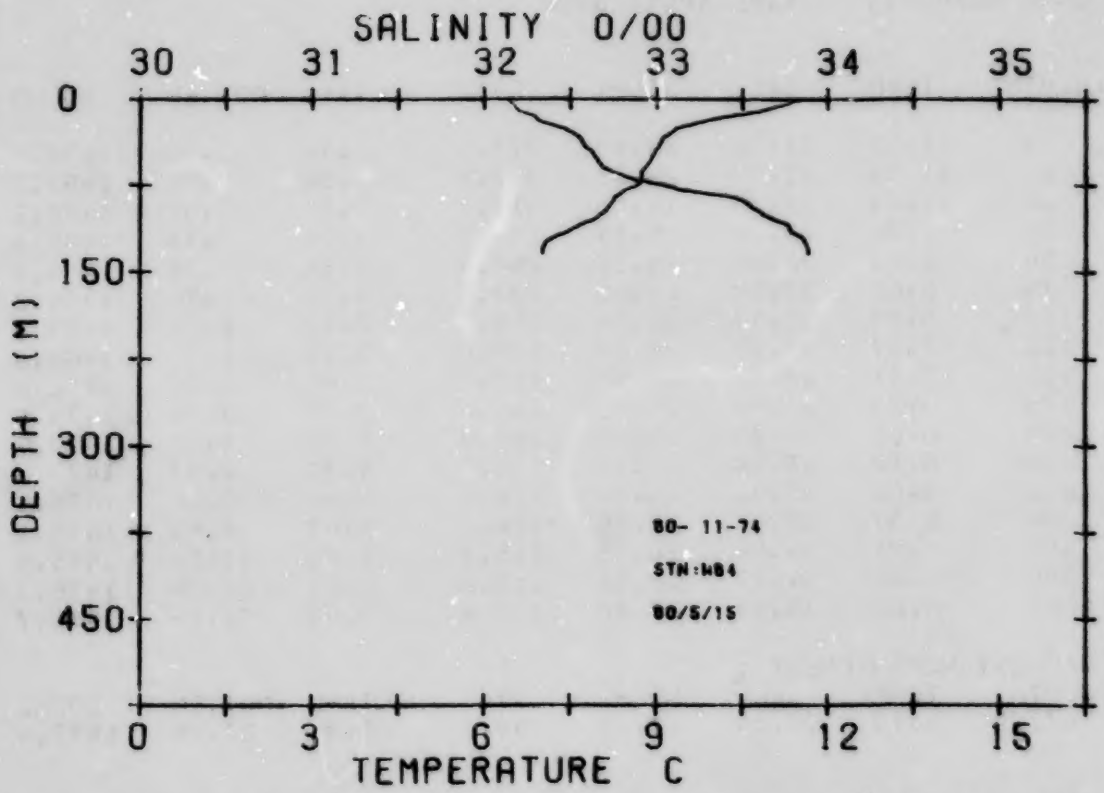
CRUISE : C.O.D.E. 80-11.
STATION: W83 CONS #073
LAT N 48 43.2 LONG W 126 22.5
DATE 80/05/15 TIME (PST) 0056

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.52	31.76	24.19	373.8	.00	.00	1491.7
10	11.31	31.89	24.33	360.8	.36	.02	1491.3
20	10.24	32.33	24.86	310.7	.70	.07	1488.2
30	9.28	32.49	25.14	284.0	1.00	.14	1485.0
50	8.73	32.60	25.31	268.4	1.55	.36	1483.4
75	8.68	33.08	25.69	232.3	2.19	.76	1484.2
100	8.31	33.47	26.05	198.3	2.72	1.23	1483.8
125	7.87	33.69	26.29	176.0	3.19	1.75	1482.8
150	7.31	33.82	26.47	159.5	3.61	2.32	1481.2
175	6.75	33.89	26.61	146.6	3.99	2.94	1479.5
200	6.63	33.90	26.63	144.9	4.35	3.62	1479.4
225	6.12	33.94	26.72	135.9	4.70	4.37	1477.8
250	5.66	33.96	26.80	128.9	5.04	5.16	1476.4
300	5.37	33.98	26.85	124.5	5.67	6.89	1476.1
400	4.91	34.04	26.95	115.7	6.88	11.12	1475.9
500	4.60	34.07	27.01	110.8	8.01	16.24	1476.3
600	4.28	34.14	27.10	102.9	9.09	22.14	1476.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
677.0	4.13	34.19	27.15	98.2	9.86	27.06	1477.4

WIND MIXED LAYER DEPTH = 9.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-74
STN:HB4
80/5/15
0
3
6
9
12
15
TEMPERATURE C

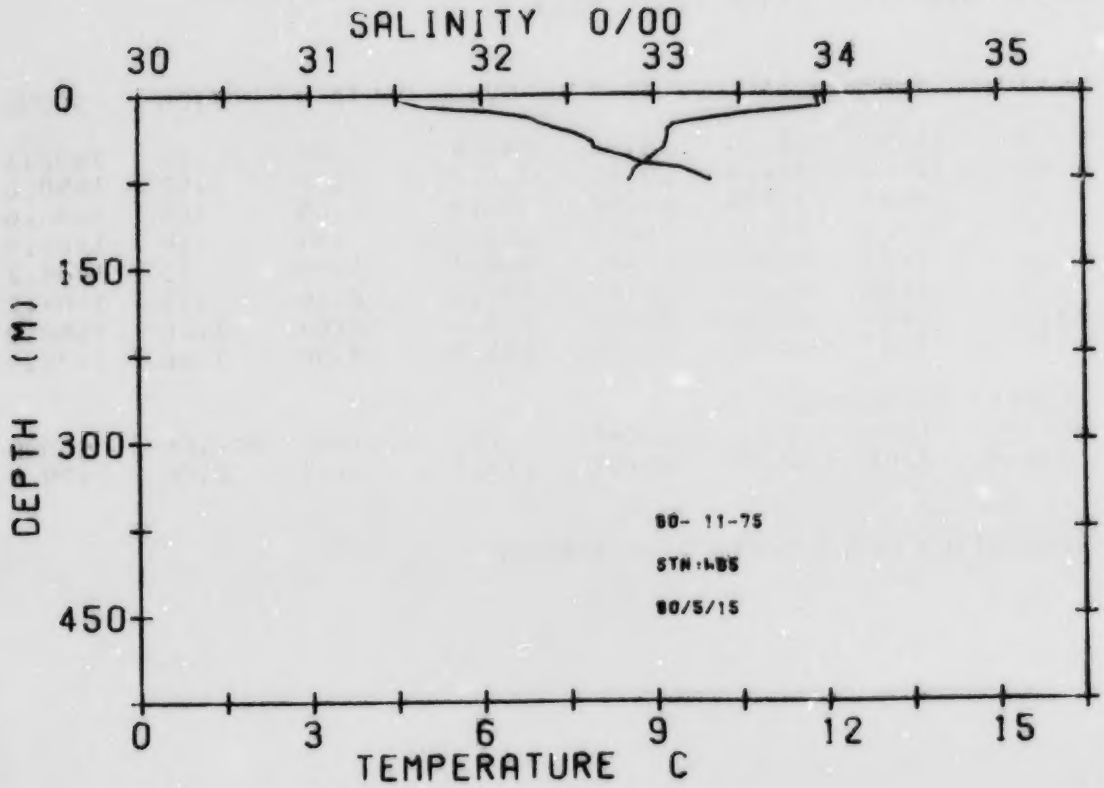
CRUISE : C.O.D.E. 80-11.
STATION: #84 CONS #074
LAT N 48 49.0 LONG W 126 13.0
DATE 80/05/15 TIME (PST) 0243

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.49	32.14	24.49	345.4	.00	.00	1492.1
10	10.84	32.20	24.65	330.2	.34	.02	1490.0
20	9.81	32.32	24.92	304.9	.65	.06	1486.6
30	9.25	32.52	25.16	281.6	.94	.14	1484.9
50	8.93	32.64	25.31	268.3	1.49	.35	1484.2
75	8.69	33.04	25.66	235.5	2.14	.75	1484.2
100	8.05	33.62	26.21	183.6	2.64	1.20	1482.9
125	7.07	33.87	26.54	151.8	3.06	1.66	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.0	7.01	33.89	26.57	149.7	3.21	1.86	1479.8

WIND MIXED LAYER DEPTH = 4.1 METRES

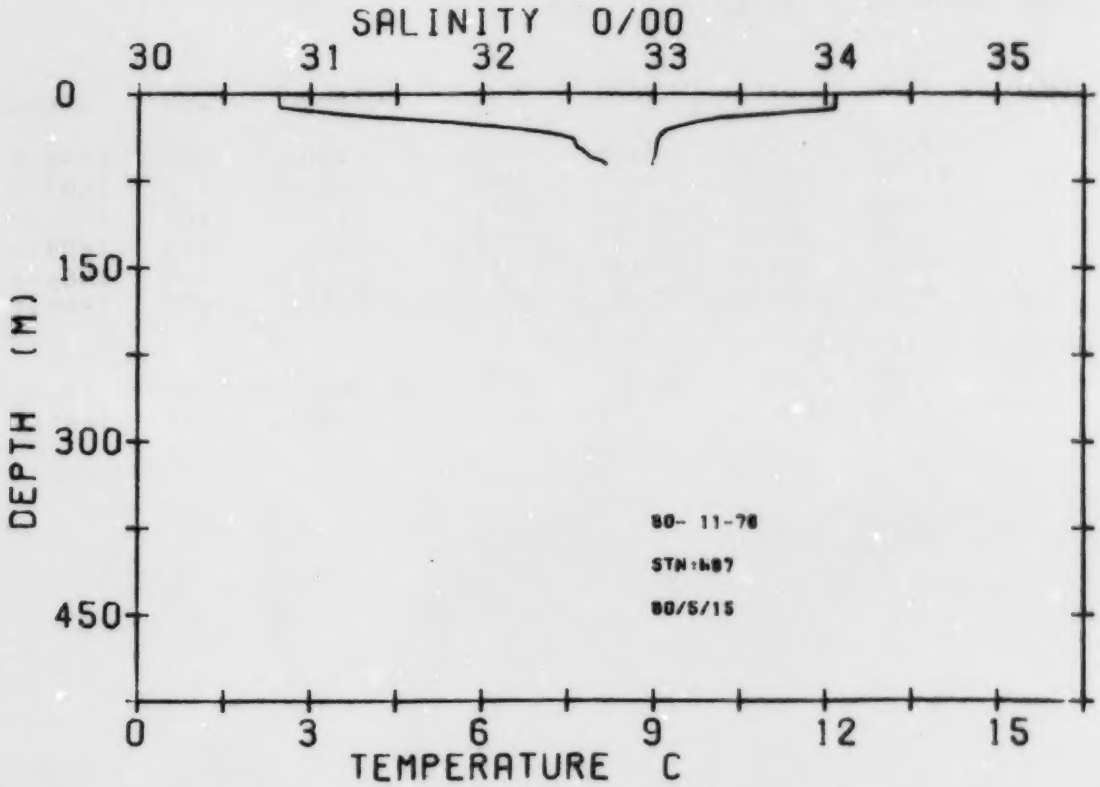

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-75
STN:485
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W85 CONS #075
LAT N 48 55.0 LONG W 126 03.2
DATE 80/05/15 TIME (PST) 0355

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.85	31.51	23.94	397.8	.00	.00	1492.6
10	11.90	31.66	24.04	388.2	.40	.02	1493.1
20	10.15	32.26	24.81	314.7	.74	.07	1487.8
30	9.25	32.44	25.10	287.6	1.04	.15	1484.8
50	9.07	32.73	25.36	263.7	1.59	.36	1484.8
75	8.55	33.33	25.91	211.9	2.18	.73	1484.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
75.0	8.55	33.33	25.91	211.9	2.18	.73	1484.1

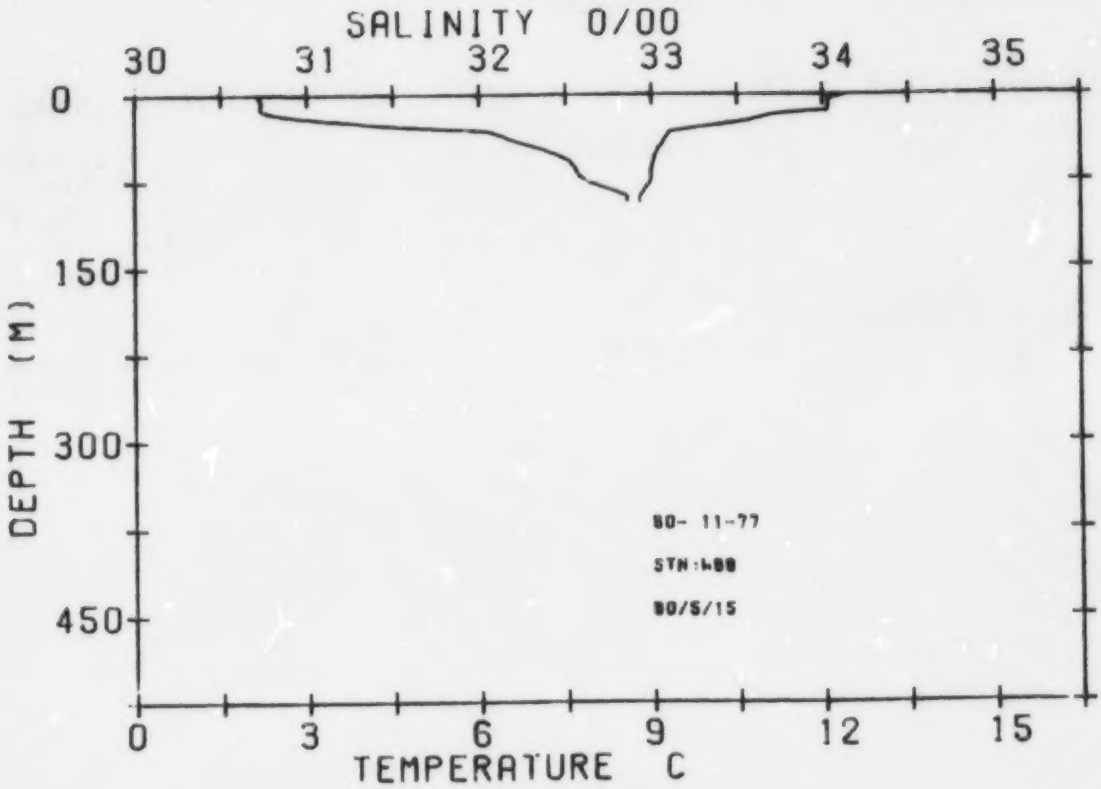

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-76
STN:487
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W87 CONS #076
LAT N 48 54.5 LONG W 125 54.7
DATE 80/05/15 TIME (PST) 0443

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.18	30.81	23.34	455.4	.00	.00	1492.8
10	12.17	30.82	23.34	454.9	.46	.03	1493.0
20	10.18	31.34	24.09	383.3	.88	.09	1486.7
30	9.25	32.18	24.90	306.9	1.22	.17	1484.5
50	9.03	32.59	25.25	273.5	1.79	.40	1484.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
62.0	8.97	32.72	25.36	263.1	2.11	.58	1484.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-77
STN:480
80/5/15
0
3
6
9
12
15
TEMPERATURE C

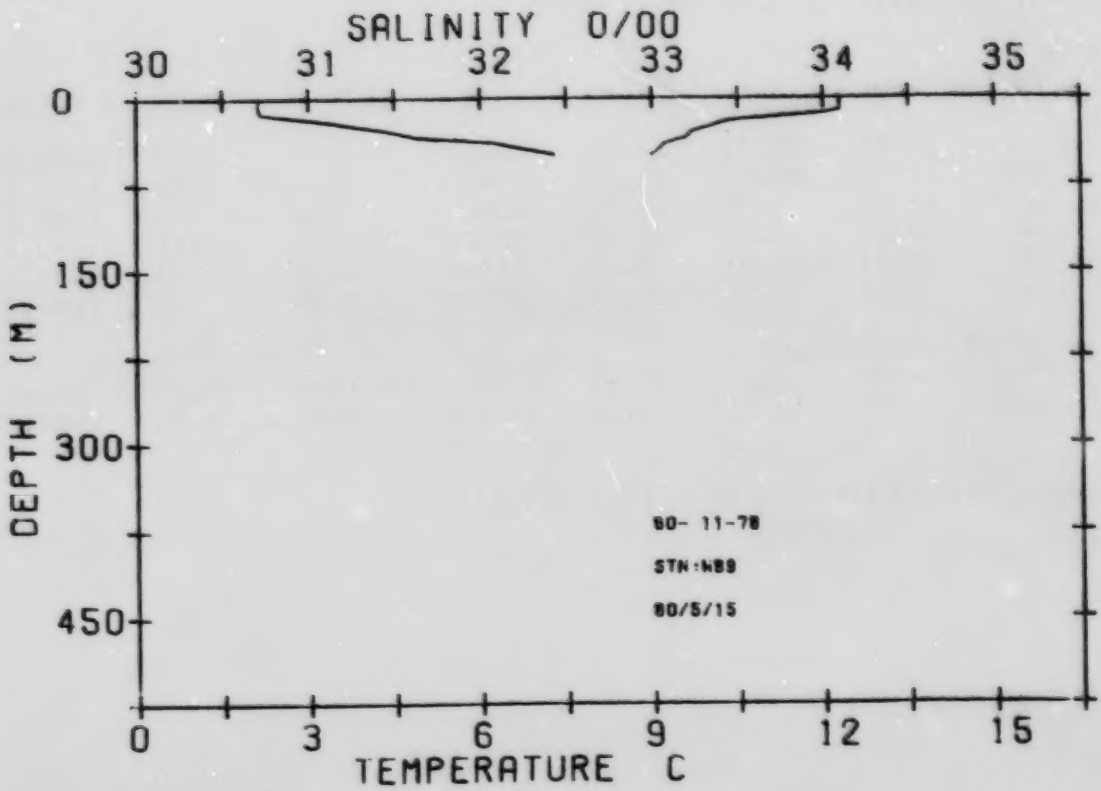
CRUISE : C.O.D.E. 80-11.
STATION: W88 CONS #077
LAT N 48 54.0 LONG W 125 46.0
DATE 80/05/15 TIME (PST) 0523

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.40	30.71	23.22	466.4	.00	.00	1493.5
10	12.10	30.73	23.29	460.2	.46	.03	1492.6
20	10.87	31.00	23.71	419.5	.91	.09	1488.8
30	9.61	31.81	24.56	339.5	1.29	.18	1485.4
50	9.09	32.41	25.10	287.8	1.90	.43	1484.5
75	8.98	32.62	25.28	270.9	2.60	.86	1484.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
93.0	8.80	32.86	25.50	250.8	3.06	1.25	1484.7

WIND MIXED LAYER DEPTH = 10.7 METRES

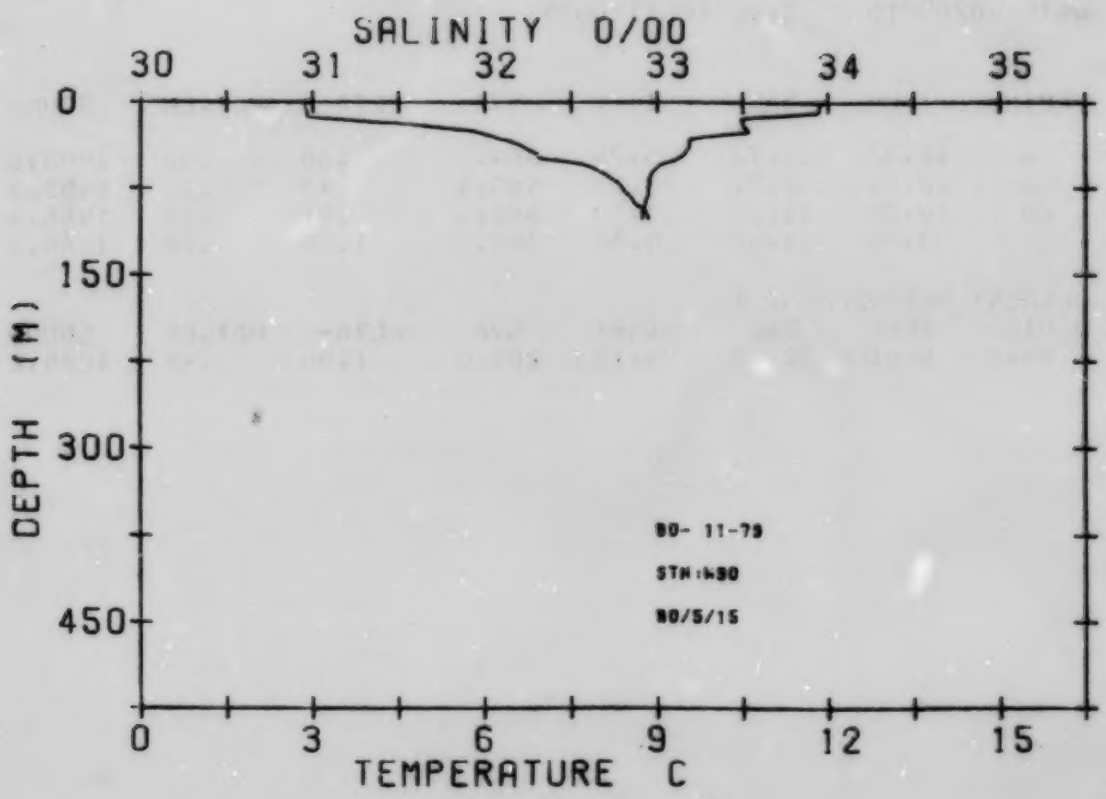

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-78
STN:NB9
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W89 CONS #078
LAT N 48 48.5 LONG W 125 46.8
DATE 80/05/15 TIME (PST) 0607

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.32	30.72	23.24	464.8	.00	.00	1493.2
10	12.30	30.71	23.23	465.4	.47	.02	1493.3
20	10.30	31.11	23.89	402.4	.91	.09	1486.8
30	9.70	31.50	24.30	364.3	1.29	.18	1485.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
49.0	9.01	32.43	25.13	285.0	1.90	.42	1484.2


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-79
STN:4480
80/5/15
0
3
6
9
12
15
TEMPERATURE C

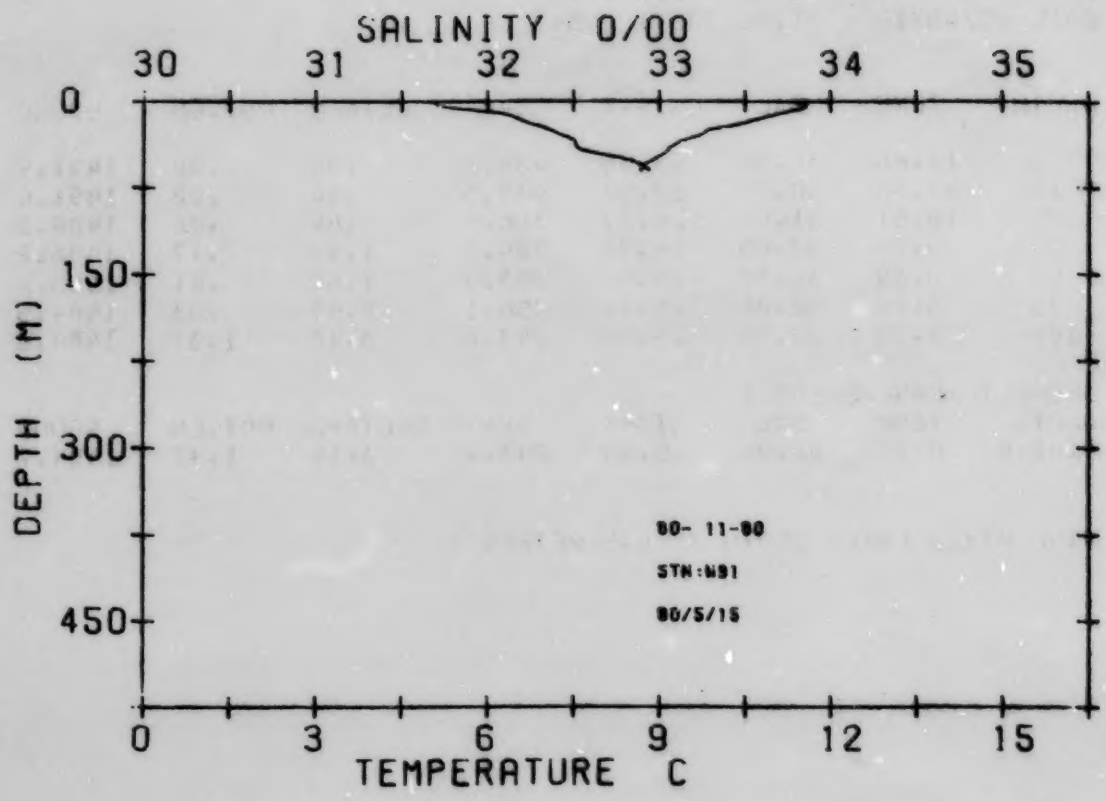
CRUISE : C.O.D.E. 80-11.
STATION: #90 CONS #079
LAT N 48 43.0 LONG W 125 47.3
DATE 80/05/15 TIME (PST) 0654

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.86	30.95	23.50	439.6	.00	.00	1491.9
10	11.56	30.97	23.57	433.3	.44	.02	1491.0
20	10.51	31.64	24.27	366.4	.84	.08	1488.3
30	9.74	32.05	24.72	324.3	1.19	.17	1486.2
50	9.29	32.37	25.04	293.9	1.80	.41	1485.2
75	8.86	32.80	25.44	256.1	2.47	.83	1484.5
100	8.73	32.94	25.58	243.6	3.10	1.37	1484.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
102.0	8.72	32.95	25.58	243.0	3.14	1.42	1484.7

WIND MIXED LAYER DEPTH = 6.5 METRES

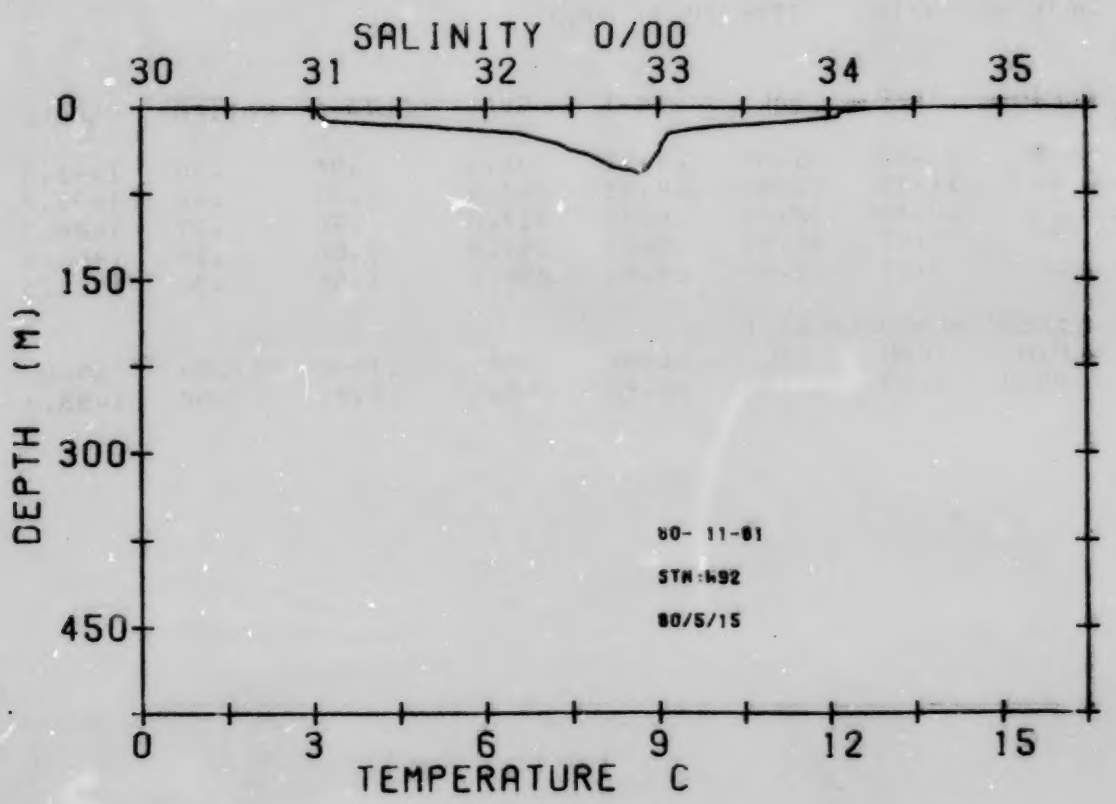

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-80
STN:NS1
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W91 CONS #060
LAT N 48 37.3 LONG W 125 47.8
DATE 80/05/15 TIME (PST) 0742

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.53	31.66	24.11	381.3	.00	.00	1491.6
10	11.10	32.08	24.51	343.4	.37	.02	1490.8
20	10.30	32.26	24.79	317.0	.70	.07	1488.3
30	9.67	32.43	25.03	294.8	1.00	.14	1486.4
50	8.91	32.80	25.43	256.1	1.56	.36	1484.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
60.0	8.67	32.94	25.58	242.3	1.81	.50	1483.8

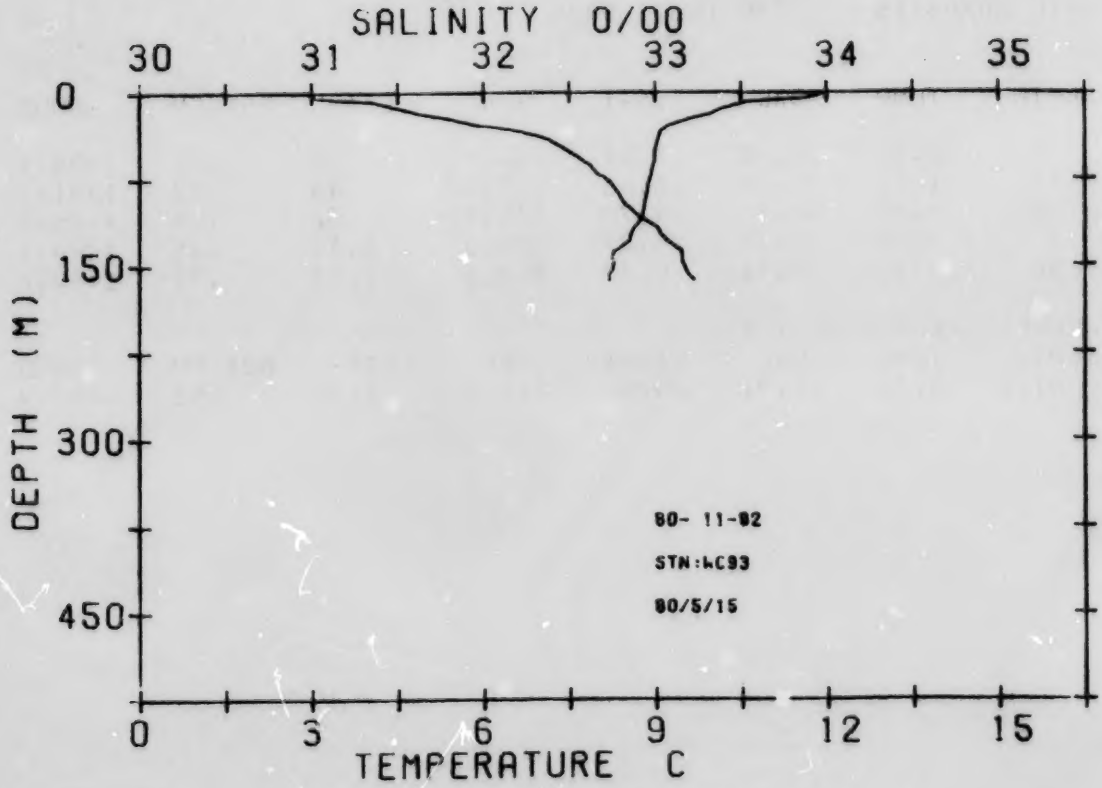

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-01
STN:492
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W92 CONS #061
LAT N 48 39.2 LONG W 125 39.0
DATE 80/05/15 TIME (PST) 0835

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.91	30.82	23.21	466.9	.00	.00	1495.4
10	11.65	31.06	23.63	427.9	.44	.02	1491.4
20	9.50	31.96	24.70	325.3	.82	.08	1485.0
30	9.09	32.37	25.07	290.3	1.12	.15	1484.1
50	8.86	32.71	25.37	262.1	1.67	.37	1484.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
61.0	8.72	32.91	25.55	245.3	1.95	.53	1483.9


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-02
STN:WC93
80/5/15
0
3
6
9
12
15
TEMPERATURE C

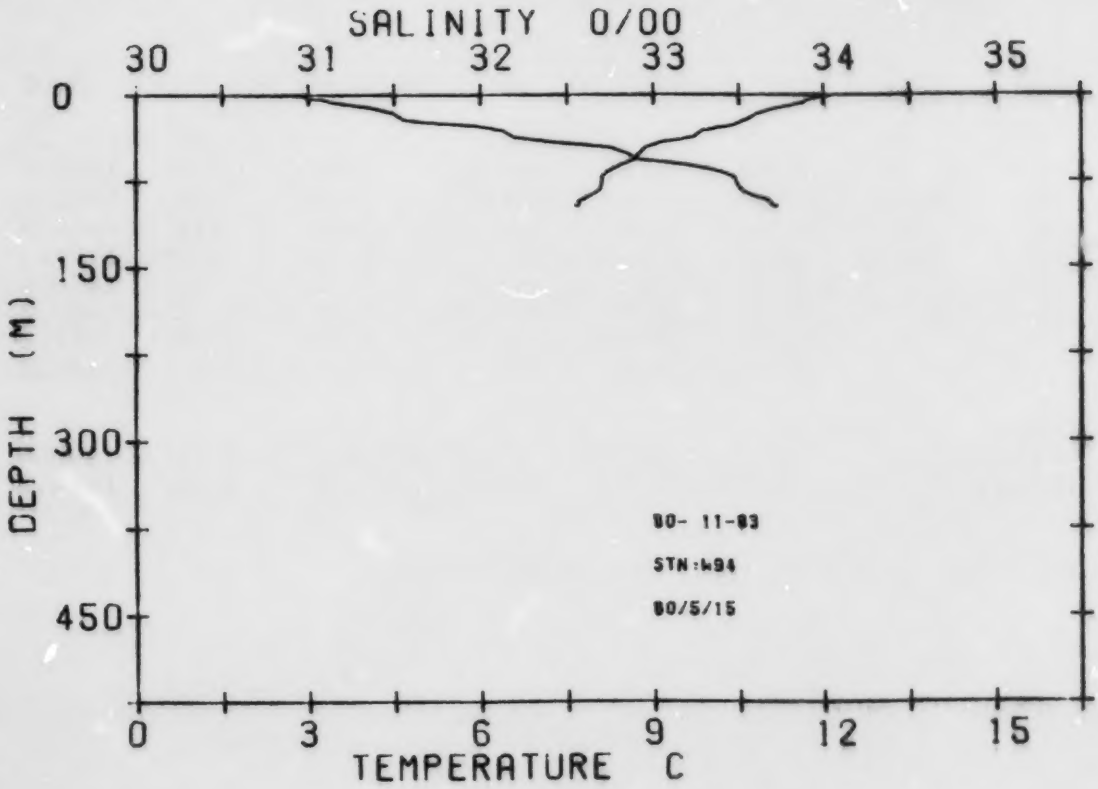
CRUISE : C.O.D.E. 80-11.
STATION: WC93 CONS #082
LAT N 48 41.0 LONG W 125 27.5
DATE 80/05/15 TIME (PST) 0926

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.93	31.01	23.53	436.4	.00	.00	1492.2
10	10.44	31.42	24.11	381.5	.41	.02	1487.6
20	9.83	31.69	24.43	351.7	.78	.08	1485.8
30	9.18	32.06	24.81	314.8	1.11	.16	1484.1
50	9.01	32.49	25.18	280.7	1.70	.39	1484.3
75	8.91	32.71	25.36	263.4	2.38	.81	1484.6
100	8.80	32.84	25.49	252.1	3.02	1.38	1484.8
125	8.58	33.04	25.68	234.4	3.63	2.06	1484.6
150	8.27	33.17	25.82	221.1	4.19	2.83	1484.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
163.0	8.18	33.23	25.88	215.4	4.48	3.28	1484.0

WIND MIXED LAYER DEPTH = 3.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-83
STN:494
80/5/15
0
3
6
9
12
15
TEMPERATURE C

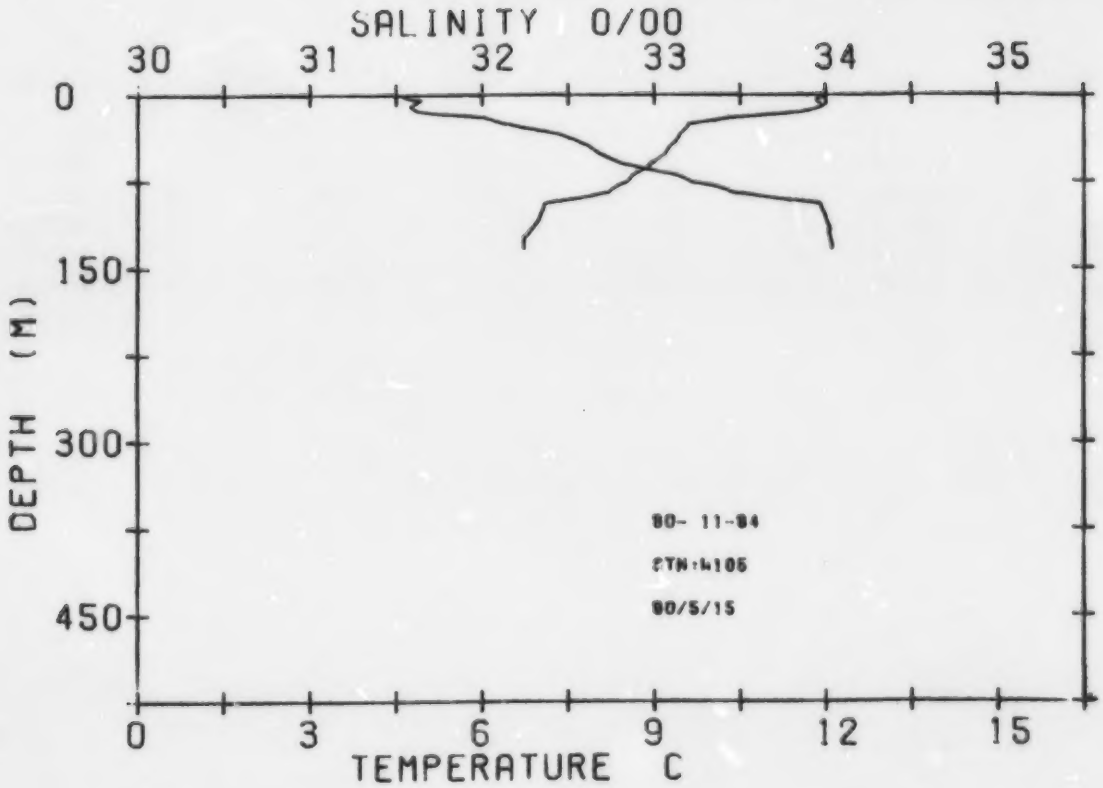
CRUISE : C.O.D.E. 80-11.
STATION: W94 CONS #063
LAT N 48 43.2 LONG W 125 22.8
DATE 80/05/15 TIME (PST) 1036

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.11	30.90	23.42	447.3	.00	.00	1492.7
10	11.38	31.28	23.84	407.3	.43	.02	1490.8
20	10.68	31.54	24.16	376.8	.82	.08	1488.7
30	10.06	32.07	24.68	327.8	1.17	.17	1487.3
50	8.78	32.82	25.47	252.7	1.75	.40	1483.9
75	8.11	33.49	26.09	193.9	2.31	.74	1482.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
98.0	7.64	33.73	26.35	169.6	2.73	1.10	1481.5

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-84
CTN:4105
80/5/15
0
3
6
9
12
15
TEMPERATURE C

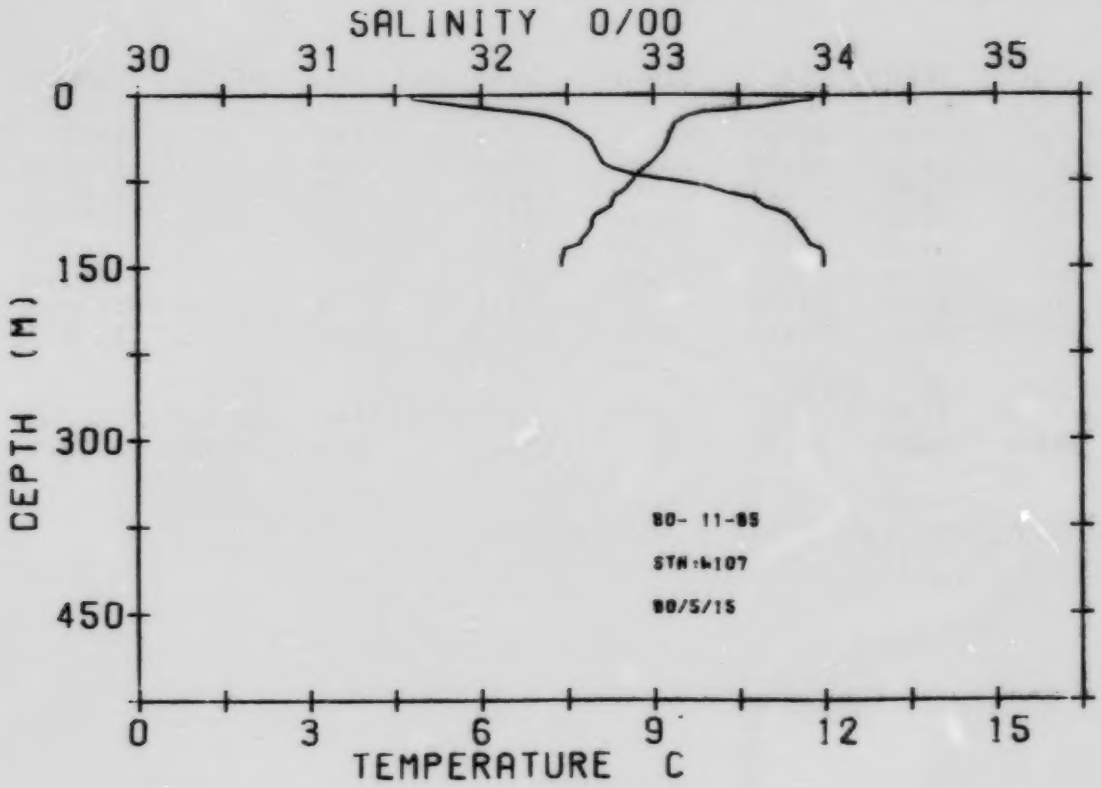
CRUISE : C.O.D.E. 80-11.
STATION: W105 CONS 4084
LAT N 48 25.5 LONG W 125 28.3
DATE 80/05/15 TIME (PST) 1200

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.00	31.50	23.90	401.4	.00	.00	1493.1
10	11.96	31.58	23.97	395.1	.39	.02	1493.2
20	10.40	32.01	24.58	337.2	.77	.08	1488.3
30	9.54	32.29	24.94	303.1	1.09	.15	1485.7
50	9.21	32.67	25.29	270.3	1.65	.38	1485.3
75	8.54	33.21	25.81	220.9	2.27	.76	1483.9
100	7.06	33.98	26.63	143.1	2.73	1.15	1479.6
125	6.73	34.03	26.72	135.4	3.07	1.55	1478.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
133.0	6.73	34.04	26.72	134.8	3.18	1.68	1478.9

WIND MIXED LAYER DEPTH = 9.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-85
STN:4107
80/5/15
0
3
6
9
12
15
TEMPERATURE C

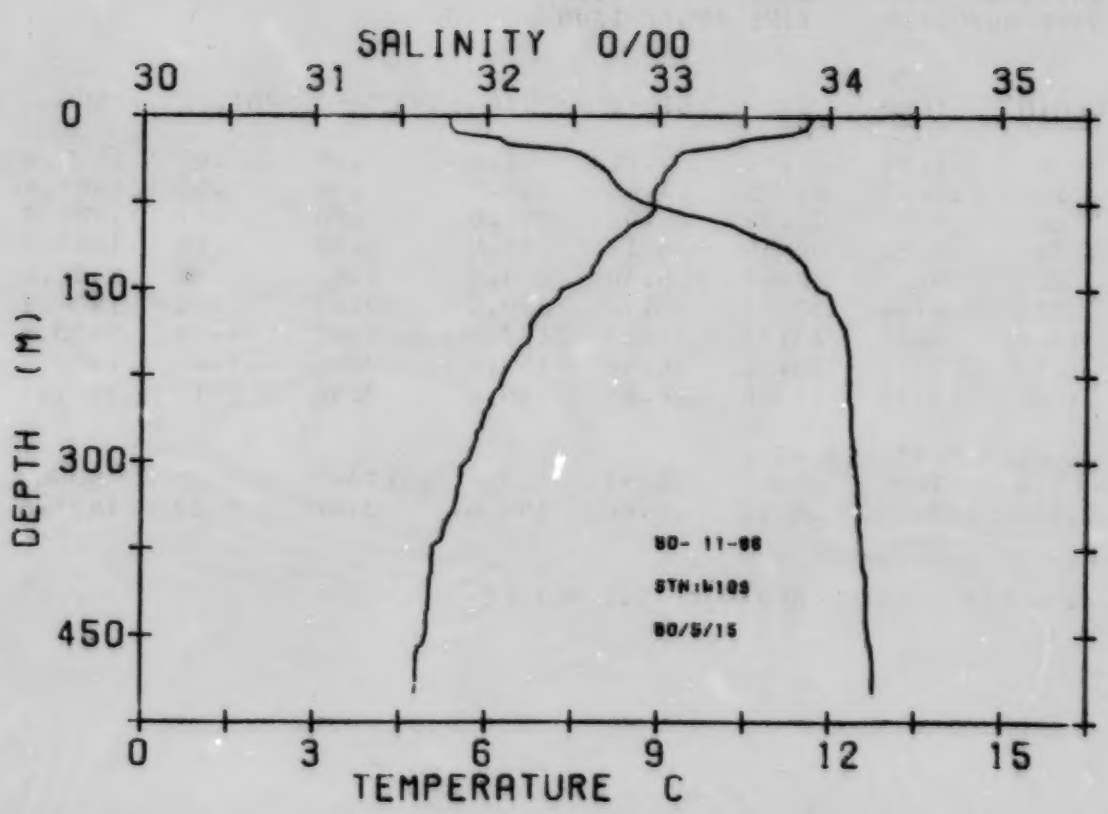
CRUISE : C.O.D.E. 80-11.
STATION: W107 CONS 4085
LAT N 48 18.6 LONG W 125 41.2
DATE 80/05/15 TIME (PST) 1300

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.77	31.59	24.01	391.0	.00	.00	1492.4
10	10.87	31.95	24.45	349.2	.38	.02	1489.8
20	9.54	32.39	25.02	295.5	.70	.07	1485.7
30	9.33	32.54	25.17	281.4	.98	.14	1485.3
50	9.13	32.67	25.30	269.3	1.53	.36	1485.0
75	8.64	33.11	25.72	229.5	2.17	.75	1484.1
100	8.15	33.72	26.27	177.6	2.67	1.19	1483.5
125	7.77	33.90	26.46	159.6	3.09	1.65	1482.6
150	7.37	34.00	26.60	146.6	3.46	2.17	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
150.0	7.37	34.00	26.60	146.6	3.46	2.17	1481.6

WIND MIXED LAYER DEPTH = 5.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-06
STN:W108
80/5/15
0
3
6
9
12
15
TEMPERATURE C

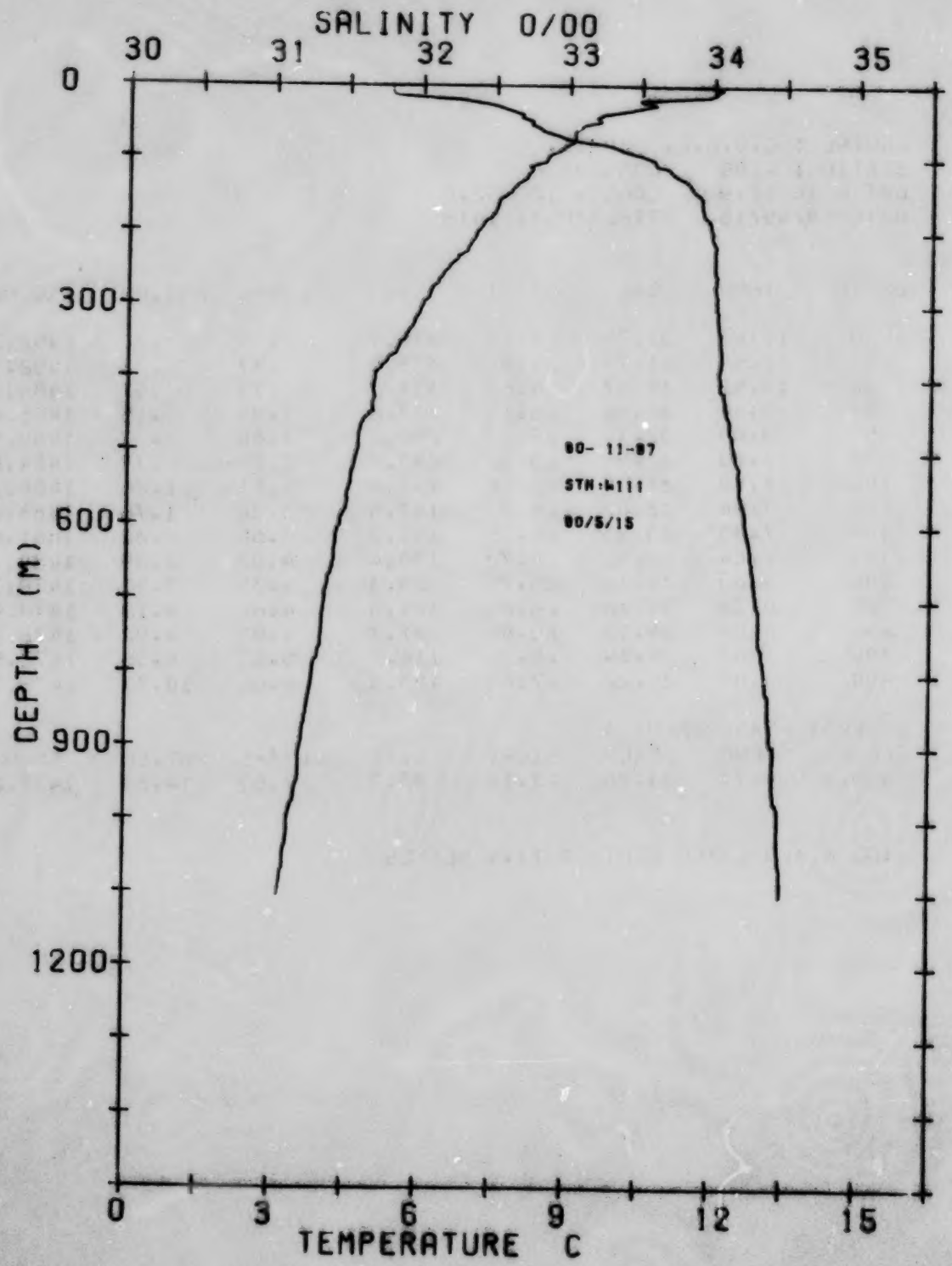
CRUISE : C.O.D.E. 80-11.
STATION: W109 CONS 4066
LAT N 48 12.9 LONG W 125 52.0
DATE 80/05/15 TIME (PST) 1418

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.68	31.79	24.18	374.7	.00	.00	1492.3
10	11.58	31.79	24.20	373.0	.37	.02	1492.1
20	10.52	32.07	24.60	334.7	.73	.07	1488.9
30	9.44	32.48	25.10	287.5	1.05	.15	1485.6
50	9.09	32.70	25.33	266.2	1.60	.37	1484.9
75	8.89	32.90	25.52	248.8	2.25	.77	1484.8
100	8.40	33.50	26.06	197.5	2.81	1.26	1484.1
125	7.94	33.82	26.38	167.5	3.26	1.76	1483.2
150	7.33	33.93	26.55	151.3	3.66	2.32	1481.4
175	6.84	34.06	26.72	135.4	4.02	2.89	1480.0
200	6.63	34.11	26.79	129.3	4.35	3.51	1479.7
225	6.32	34.12	26.84	124.8	4.66	4.19	1478.9
250	6.08	34.13	26.88	121.7	4.97	4.92	1478.3
300	5.67	34.14	26.94	116.2	5.57	6.55	1477.5
400	5.04	34.22	27.08	103.8	6.66	10.37	1476.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
499.0	4.77	34.26	27.14	98.7	7.67	14.89	1477.2

WIND MIXED LAYER DEPTH = 11.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 11-87
STN:W111
80/5/15
0
3
6
9
12
15
TEMPERATURE C

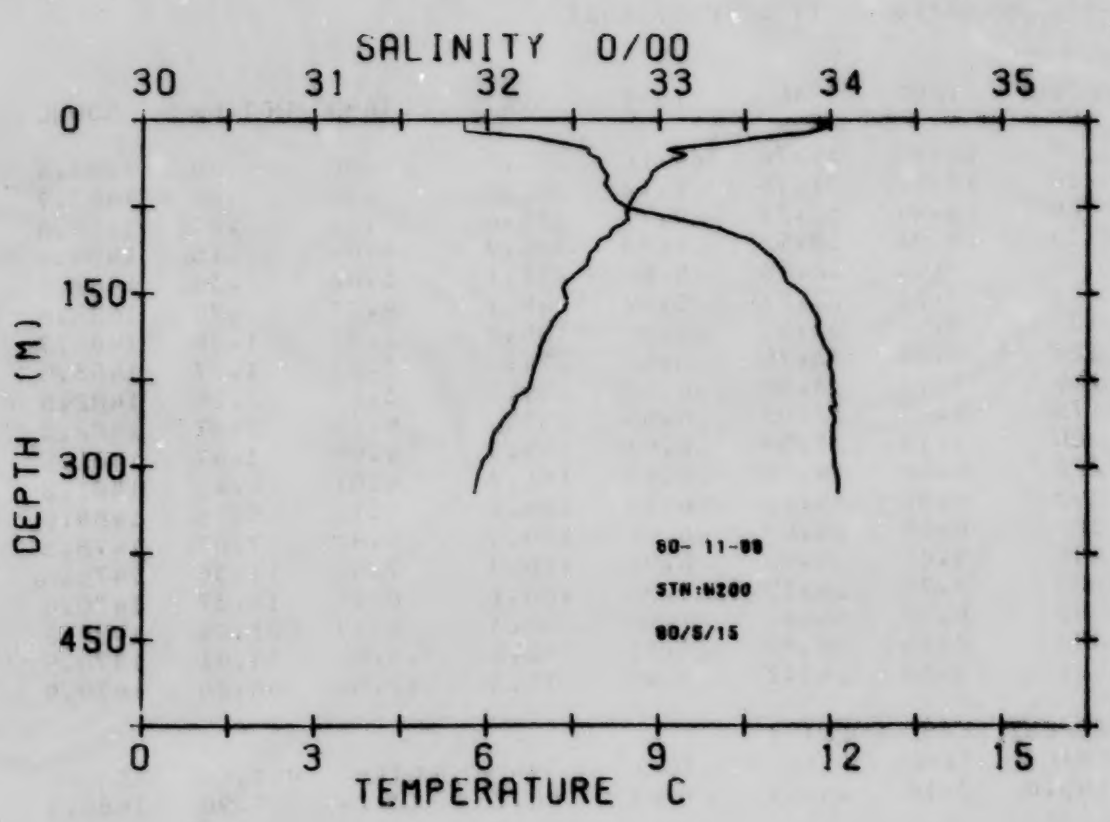
CRUISE : C.O.D.E. 80-11.
STATION: W111 CONS #067
LAT N 48 08.5 LONG W 126 00.0
DATE 80/05/15 TIME (PST) 1537

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.99	31.78	24.12	380.5	.00	.00	1493.4
10	12.02	31.79	24.12	380.7	.38	.02	1493.7
20	10.44	32.27	24.77	318.6	.74	.07	1488.8
30	10.51	32.53	24.96	300.7	1.05	.15	1489.6
50	9.65	32.75	25.28	271.1	1.62	.38	1487.0
75	9.12	33.01	25.57	244.1	2.27	.78	1485.8
100	8.54	33.55	26.08	195.8	2.81	1.25	1484.7
125	8.14	33.76	26.30	174.9	3.27	1.77	1483.9
150	7.72	33.89	26.47	159.3	3.69	2.34	1482.8
175	7.47	33.93	26.53	153.6	4.08	2.97	1482.3
200	7.13	33.99	26.63	145.0	4.45	3.67	1481.5
225	6.94	34.01	26.67	141.2	4.81	4.43	1481.2
250	6.55	34.01	26.72	136.4	5.15	5.25	1480.0
300	6.04	34.03	26.81	129.0	5.82	7.07	1478.8
400	5.08	34.05	26.94	116.9	7.04	11.36	1476.6
500	4.70	34.15	27.06	106.1	8.16	16.37	1476.8
600	4.37	34.23	27.16	97.3	9.17	21.94	1477.2
800	3.85	34.37	27.33	82.7	10.96	34.41	1478.5
1000	3.37	34.47	27.45	71.3	12.50	48.26	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1105.0	3.16	34.49	27.49	68.2	13.24	55.98	1480.7

WIND MIXED LAYER DEPTH = 7.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
60- 11-88
STN:N200
80/5/15
0
3
6
9
12
15
TEMPERATURE C

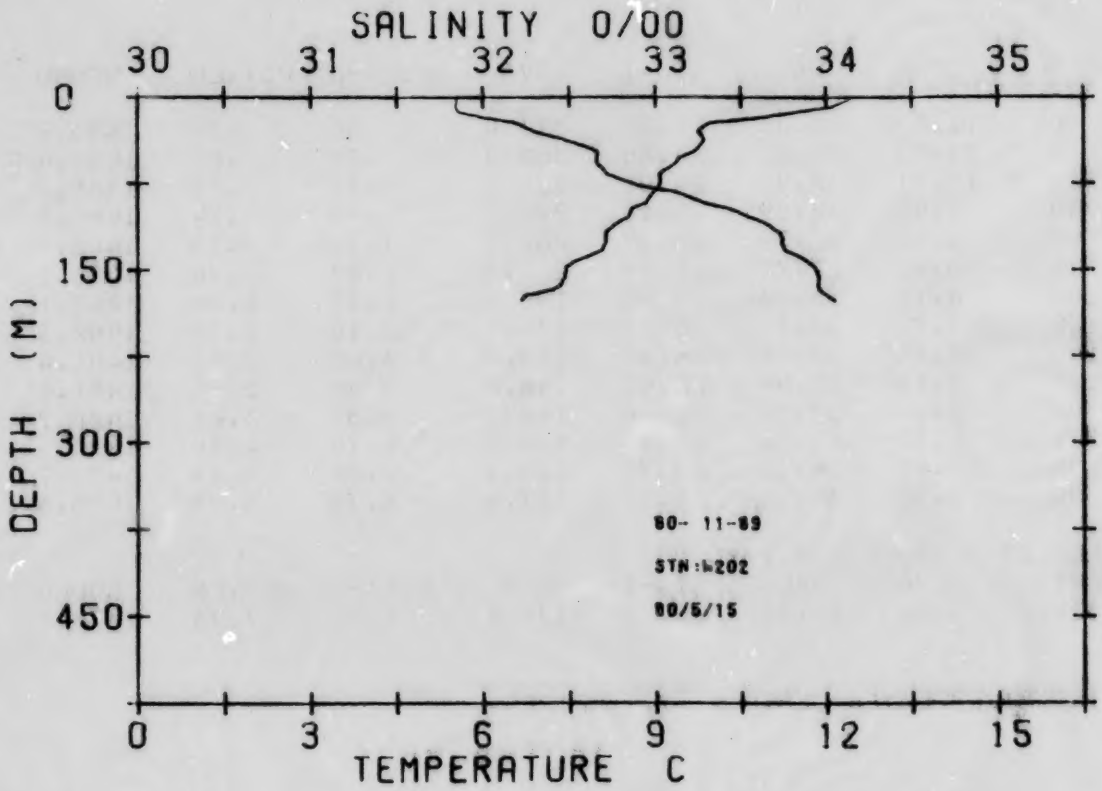
CRUISE : C.O.D.E. 80-11.
STATION: W200 CONS #068
LAT N 48 04.0 LONG W 125 55.3
DATE 80/05/15 TIME (PST) 1708

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.89	31.86	24.20	373.0	.00	.00	1493.2
10	11.63	31.87	24.25	368.0	.37	.02	1492.4
20	10.21	32.40	24.91	305.3	.70	.07	1488.2
30	9.47	32.59	25.18	279.8	.99	.14	1485.8
50	8.84	32.70	25.37	262.5	1.52	.35	1483.9
75	8.48	32.79	25.49	251.0	2.17	.76	1483.1
100	8.15	33.43	26.05	198.8	2.73	1.24	1483.1
125	7.74	33.70	26.31	174.0	3.19	1.76	1482.3
150	7.35	33.84	26.48	158.2	3.60	2.33	1481.4
175	7.15	33.94	26.59	148.6	3.99	2.95	1481.1
200	6.93	33.99	26.66	142.2	4.35	3.64	1480.7
225	6.80	34.02	26.70	138.5	4.70	4.38	1480.6
250	6.47	34.00	26.73	136.1	5.04	5.19	1479.7
300	5.91	34.03	26.82	127.4	5.70	6.99	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
324.0	5.80	34.05	26.85	124.8	6.00	7.93	1478.3

WIND MIXED LAYER DEPTH = 7.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-89
STN:4202
80/5/15
0
3
6
9
12
15
TEMPERATURE C

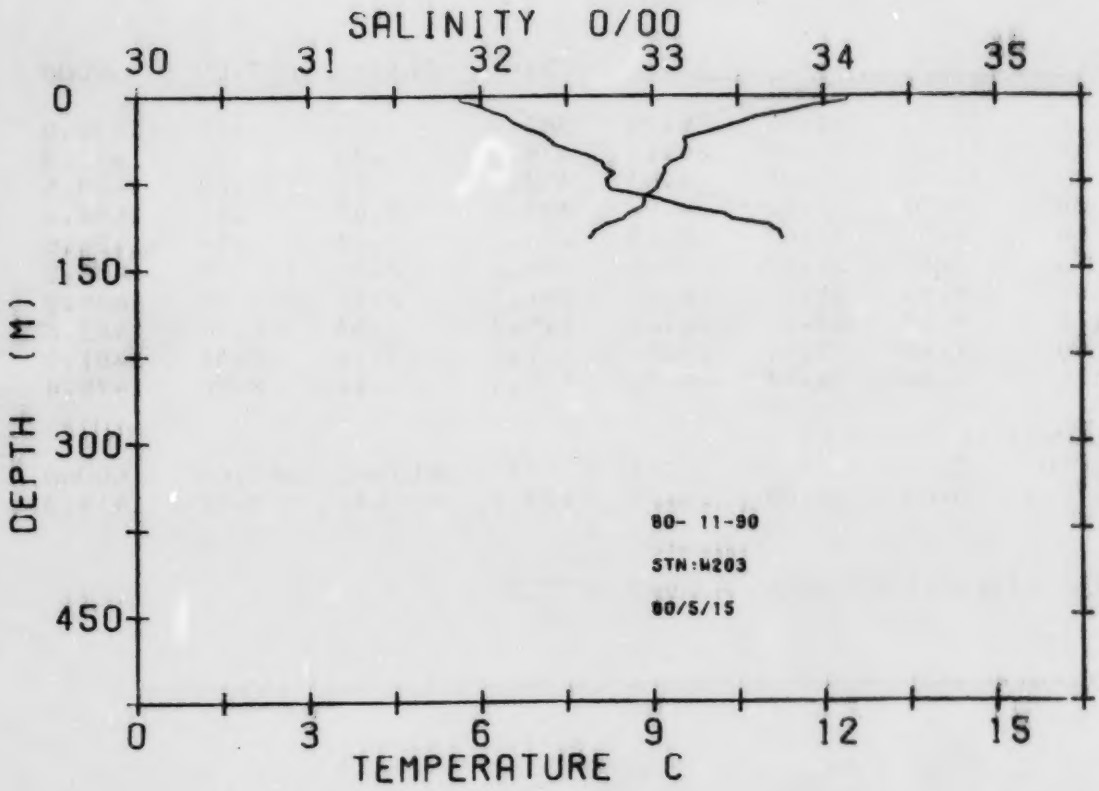
CRUISE : C.O.D.E. 80-11.
STATION: W202 CONS #089
LAT N 48 04.0 LONG W 125 35.9
DATE 80/05/15 TIME (PST) 1900

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.41	31.85	24.09	383.0	.00	.00	1494.9
10	11.90	31.85	24.19	374.5	.38	.02	1493.3
20	10.42	32.08	24.63	332.4	.73	.07	1488.5
30	9.71	32.30	24.92	305.0	1.05	.15	1486.4
50	9.57	32.67	25.23	276.1	1.63	.38	1486.6
75	9.08	32.87	25.46	254.1	2.30	.80	1485.5
100	8.55	33.47	26.02	201.7	2.87	1.29	1484.7
125	8.13	33.75	26.29	175.7	3.33	1.81	1483.8
150	7.45	33.94	26.55	151.9	3.74	2.38	1481.9
175	6.68	34.03	26.72	135.6	4.11	2.98	1479.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
177.0	6.65	34.05	26.74	133.7	4.14	3.02	1479.3

WIND MIXED LAYER DEPTH = 6.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-90
STN:W203
80/5/15
0
3
6
9
12
15
TEMPERATURE C

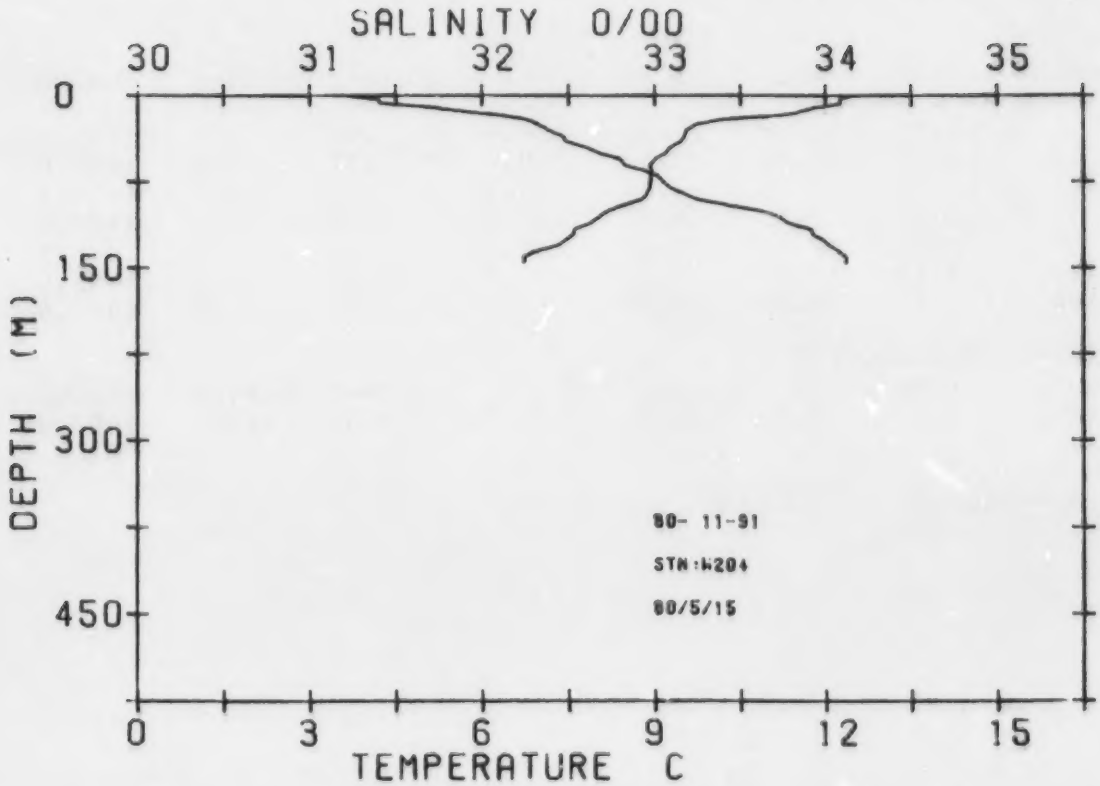
CRUISE : C.O.D.E. 80-11.
STATION: #203 CONS #090
LAT N 48 04.0 LONG W 125 25.3
DATE 80/05/15 TIME (PST) 1955

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.41	31.88	24.12	380.8	.00	.00	1495.0
10	11.68	32.01	24.35	358.9	.37	.02	1492.8
20	10.71	32.16	24.64	331.1	.72	.07	1489.7
30	10.04	32.30	24.86	310.5	1.04	.15	1487.6
50	9.56	32.57	25.16	282.8	1.63	.39	1486.5
75	9.13	32.73	25.35	264.7	2.30	.81	1485.5
100	8.71	33.29	25.85	217.5	2.92	1.34	1485.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
124.0	7.88	33.76	26.34	171.1	3.37	1.84	1482.9

WIND MIXED LAYER DEPTH = 3.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-91
STN:4204
80/5/15
0
3
6
9
12
15
TEMPERATURE C

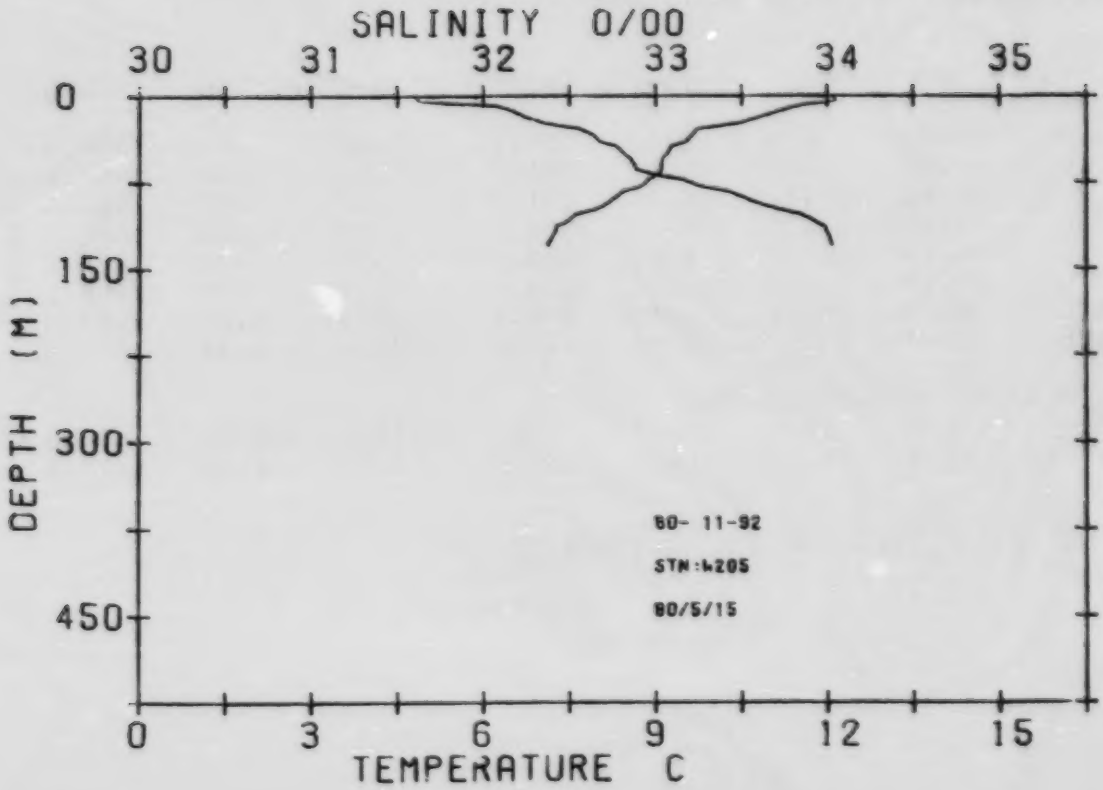
CRUISE : C.O.D.E. 80-11.
STATION: W204 CONS #091
LAT N 48 04.0 LONG W 125 13.9
DATE 80/05/15 TIME (PST) 2048

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.59	31.14	23.52	438.1	.00	.00	1494.7
10	11.92	31.63	24.01	391.0	.41	.02	1493.1
20	10.41	32.22	24.74	321.8	.77	.07	1488.6
30	9.58	32.39	25.01	296.6	1.07	.15	1486.0
50	9.19	32.67	25.29	269.8	1.64	.38	1485.2
75	8.93	33.05	25.63	238.4	2.27	.77	1485.1
100	8.24	33.58	26.15	189.1	2.83	1.25	1483.6
125	7.47	33.98	26.57	149.2	3.24	1.71	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
146.0	6.71	34.12	26.79	128.6	3.53	2.10	1479.1

WIND MIXED LAYER DEPTH = 8.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-92
STN:4205
80/5/15
0
3
6
9
12
15
TEMPERATURE C

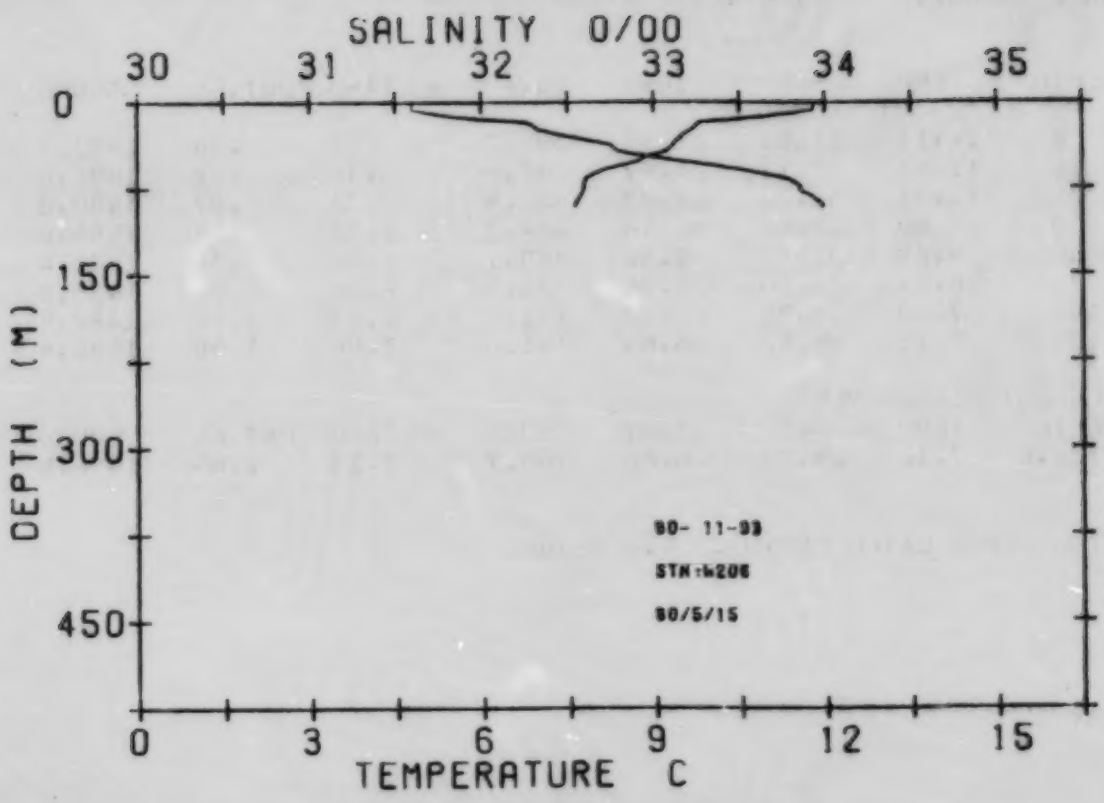
CRUISE : C.O.D.E. 80-11.
STATION: #205 CONS #092
LAT N 48 04.0 LONG W 125 03.5
DATE 80/05/15 TIME (PST) 2145

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.13	31.61	23.96	395.7	.00	.00	1493.7
10	11.43	32.11	24.47	347.0	.38	.02	1492.0
20	10.71	32.28	24.73	322.4	.72	.07	1489.8
30	9.69	32.58	25.14	284.3	1.02	.14	1486.6
50	9.20	32.82	25.40	259.1	1.56	.36	1485.4
75	8.84	33.19	25.75	226.5	2.18	.75	1485.0
100	7.88	33.75	26.33	171.8	2.68	1.18	1482.4
125	7.15	34.02	26.65	141.6	3.06	1.60	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
130.0	7.12	34.03	26.66	140.7	3.13	1.69	1480.4

WIND MIXED LAYER DEPTH = 4.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-93
STN:4206
80/5/15
0
3
6
9
12
15
TEMPERATURE C

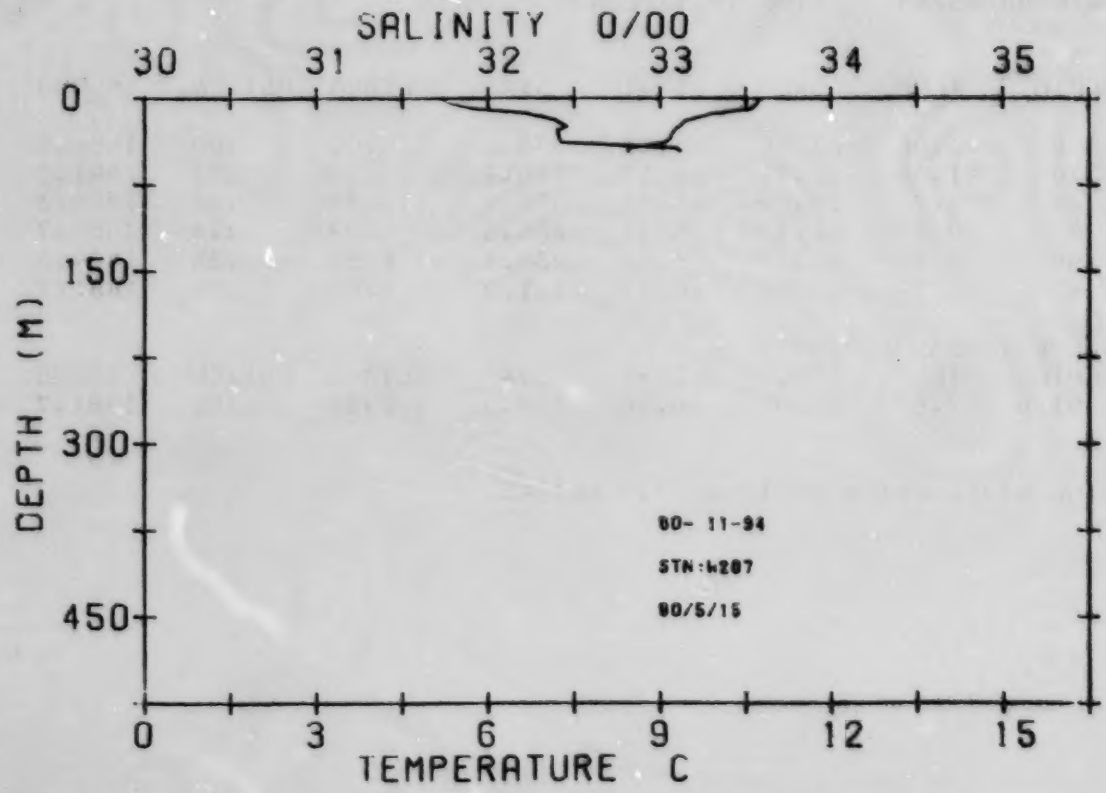
CRUISE : C.O.D.E. 80-11.
STATION: W206 CONS #093
LAT N 48 04.0 LONG W 124 50.1
DATE 80/05/15 TIME (PST) 2245

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.80	31.60	24.01	390.6	.00	.00	1492.5
10	11.38	31.71	24.17	375.7	.39	.02	1491.3
20	9.73	32.29	24.91	305.9	.72	.07	1486.3
30	9.47	32.50	25.11	286.3	1.02	.14	1485.7
50	8.78	33.07	25.66	234.4	1.55	.35	1484.2
75	7.76	33.86	26.44	161.2	2.02	.64	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
91.0	7.63	33.99	26.56	150.0	2.27	.85	1481.7

WIND MIXED LAYER DEPTH = 7.9 METRES

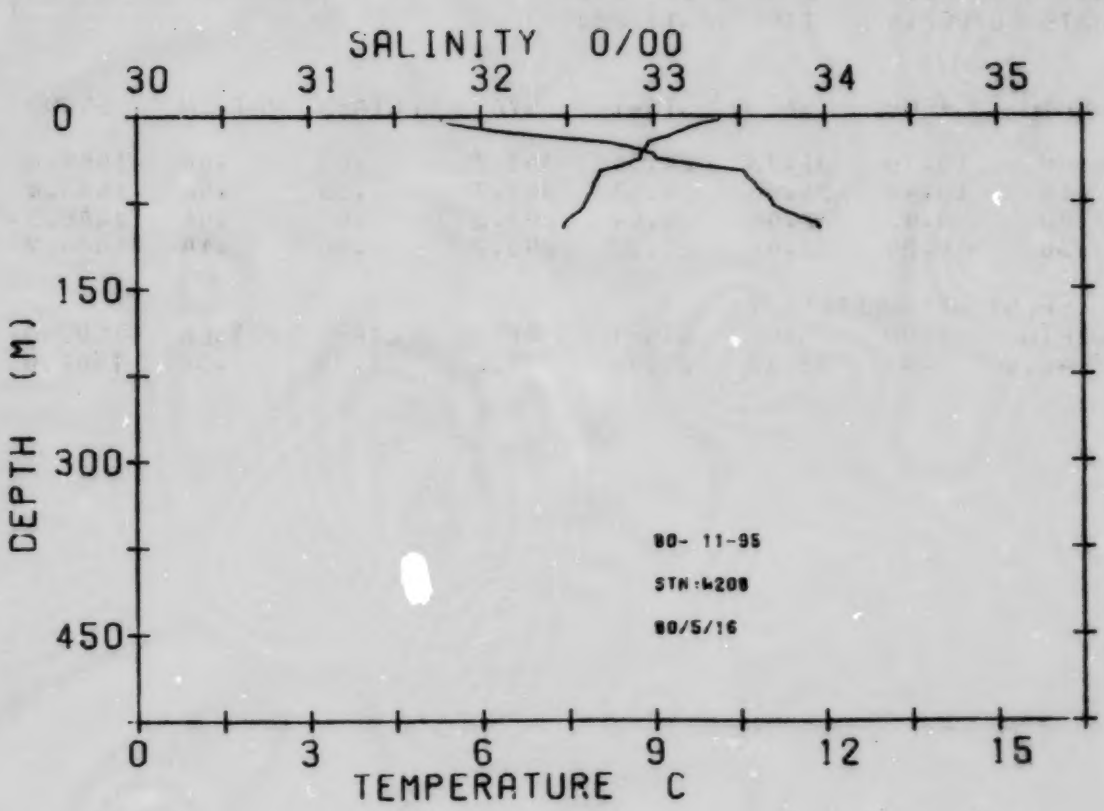

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-94
STN:W287
80/5/15
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: W207 CONS #094
LAT N 48 12.5 LONG W 124 50.0
DATE 80/05/15 TIME (PST) 2335

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.76	31.73	24.30	363.7	.00	.00	1489.0
10	10.48	31.96	24.53	341.7	.36	.02	1488.4
20	9.43	32.40	25.04	293.0	.67	.06	1485.3
30	9.24	32.40	25.07	290.2	.96	.14	1484.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
46.0	8.43	33.12	25.76	225.2	1.39	.30	1482.9


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-95
STN:4208
80/5/16
0
3
6
9
12
15
TEMPERATURE C

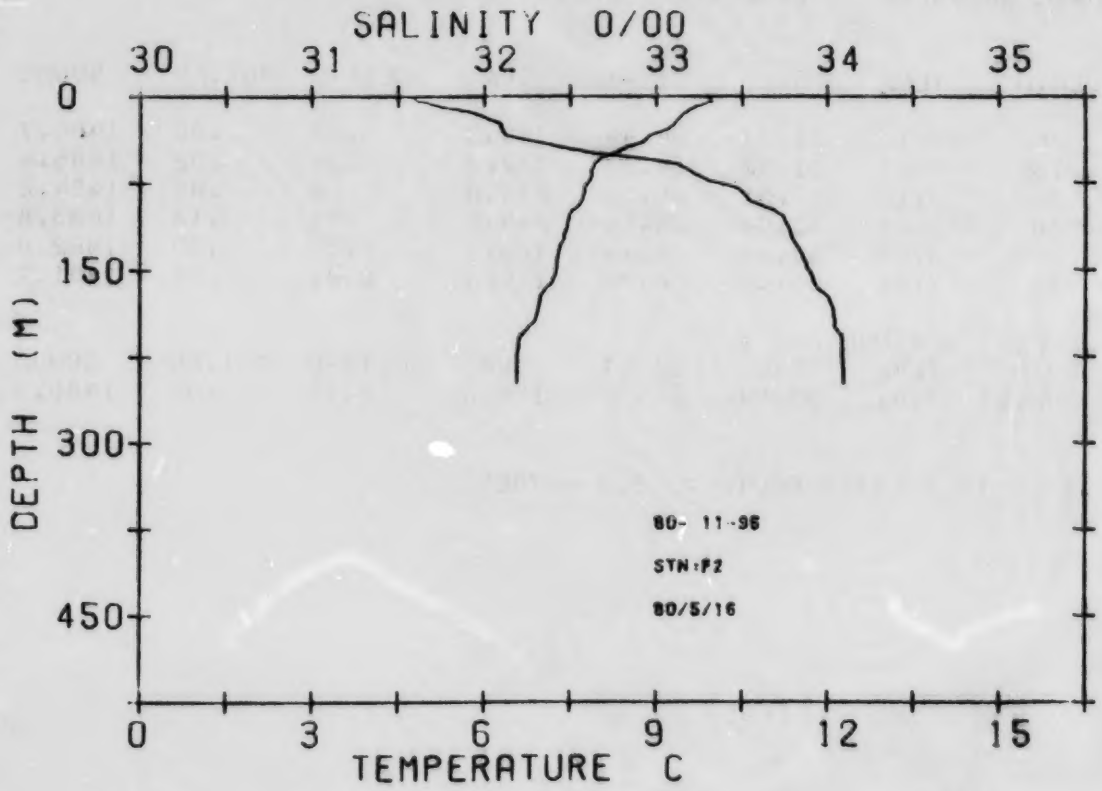
CRUISE : C.O.D.E. 80-11.
STATION: W208 CONS #095
LAT N 48 21.2 LONG W 124 50.0
DATE 80/05/16 TIME (PST) 0023

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.13	31.77	24.44	350.3	.00	.00	1486.7
10	9.67	31.92	24.63	332.2	.34	.02	1485.4
20	9.10	32.51	25.18	279.8	.65	.06	1484.2
30	8.81	32.94	25.56	244.0	.91	.13	1483.8
50	8.04	33.54	26.14	188.7	1.35	.30	1482.0
75	7.81	33.69	26.30	174.6	1.81	.58	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
98.0	7.41	33.97	26.57	148.6	2.18	.90	1480.9

WIND MIXED LAYER DEPTH = 3.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-96
STN:F2
80/5/16
0
3
6
9
12
15
TEMPERATURE C

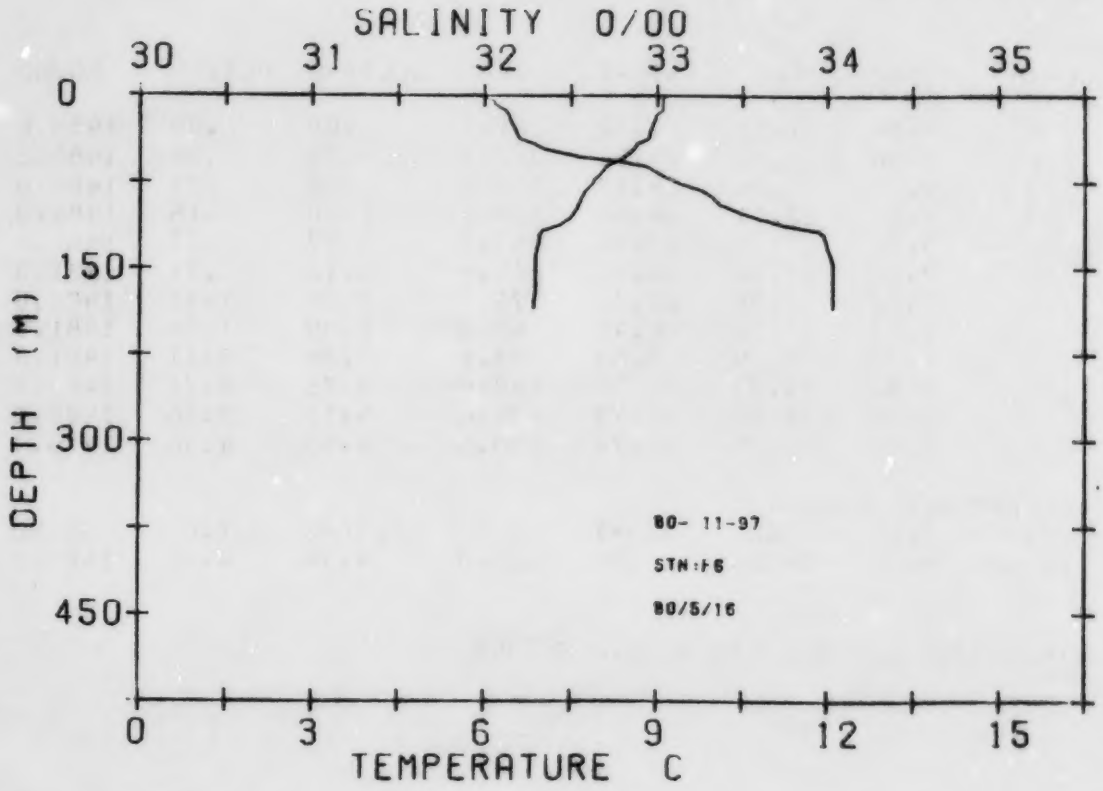
CRUISE : C.O.D.E. 80-11.
STATION: F2 CONS #096
LAT N 48 28.5 LONG W 124 39.0
DATE 80/05/16 TIME (PST) 0128

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.89	31.57	24.32	361.7	.00	.00	1485.6
10	9.66	31.78	24.52	342.7	.35	.02	1485.2
20	9.38	32.04	24.77	319.4	.68	.07	1484.6
30	9.15	32.11	24.86	310.8	1.00	.15	1484.0
50	8.21	32.70	25.46	253.7	1.57	.37	1481.6
75	7.82	33.34	26.02	200.9	2.12	.71	1481.3
100	7.53	33.70	26.35	170.3	2.58	1.11	1481.0
125	7.37	33.80	26.45	160.8	2.99	1.58	1481.0
150	7.25	33.89	26.53	153.4	3.38	2.11	1481.0
175	6.96	34.01	26.67	140.6	3.75	2.71	1480.4
200	6.75	34.05	26.73	135.6	4.10	3.36	1480.1
225	6.58	34.09	26.78	130.5	4.43	4.06	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
249.0	6.56	34.10	26.79	129.8	4.74	4.80	1480.2

WIND MIXED LAYER DEPTH = 5.2 METRES

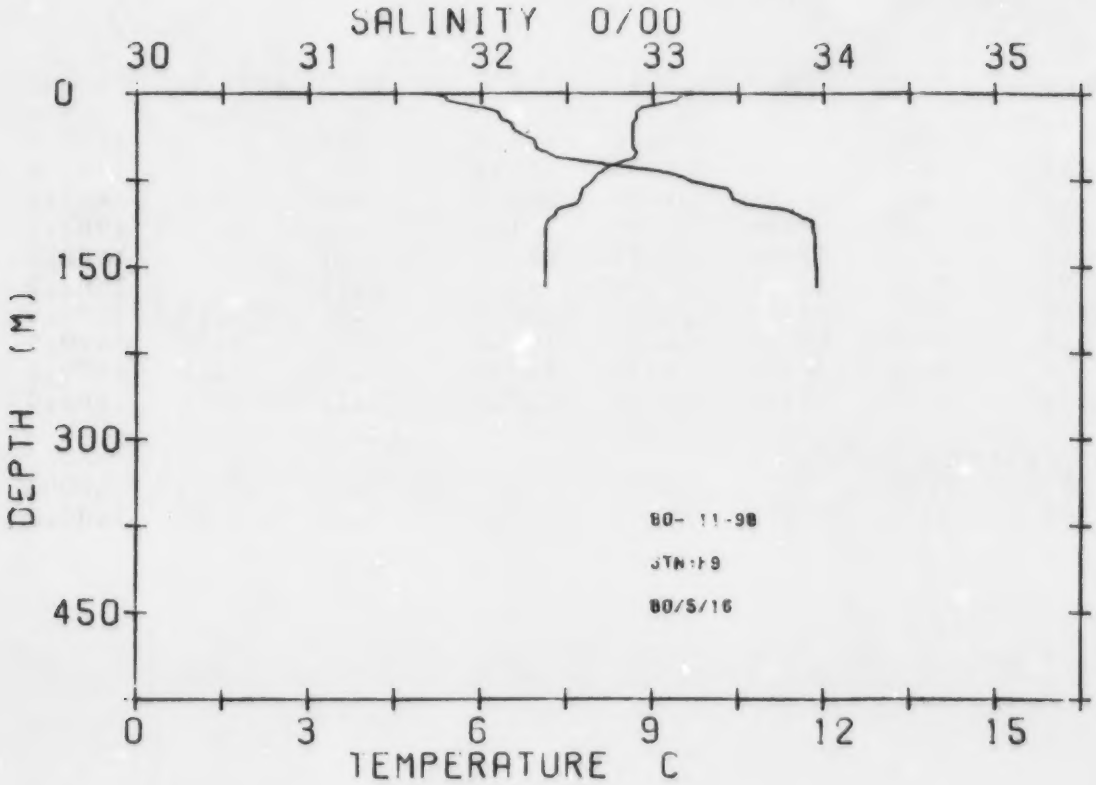

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-97
STN:F6
80/5/16
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: F6 CONS #097
LAT N 48 18.8 LONG W 124 05.5
DATE 80/05/16 TIME (PST) 0349

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.14	32.00	24.78	318.0	.00	.00	1483.4
10	9.10	32.09	24.85	310.9	.31	.02	1483.5
20	8.96	32.15	24.92	304.9	.62	.06	1483.2
30	8.89	32.18	24.95	301.5	.93	.14	1483.1
50	8.51	32.45	25.22	276.4	1.51	.37	1482.4
75	7.88	33.11	25.84	218.3	2.11	.74	1481.2
100	7.56	33.47	26.16	188.1	2.62	1.18	1480.9
125	6.93	33.99	26.65	141.4	3.02	1.63	1479.5
150	6.86	34.03	26.70	137.5	3.37	2.11	1479.7
175	6.85	34.03	26.70	137.8	3.71	2.67	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
184.0	6.85	34.03	26.70	137.9	3.84	2.89	1480.2


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 11-98
STN:19
80/5/16
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-11.
STATION: F9 CONS #098
LAT N 48 14.5 LONG W 123 40.8
DATE 80/05/16 TIME (PST) 0521

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.70	31.69	24.45	349.2	.00	.00	1485.1
10	9.00	31.95	24.75	320.2	.33	.02	1482.9
20	8.69	32.11	24.93	303.5	.64	.06	1482.1
30	8.64	32.18	24.99	297.7	.94	.14	1482.2
50	8.70	32.36	25.12	285.7	1.53	.37	1483.0
75	7.94	33.21	25.90	212.0	2.15	.75	1481.6
100	7.39	33.74	26.40	165.2	2.62	1.17	1480.5
125	7.12	33.95	26.60	146.6	3.00	1.59	1480.2
150	7.11	33.96	26.61	146.2	3.37	2.10	1480.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
168.0	7.11	33.96	26.61	146.3	3.63	2.51	1480.9

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 2 DATE 30/ 4/80 GMT 11.6
POSITION 48-13.8 N, 123-34.2 W STATION JF10
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		30.645	5.570
10		30.651	6.580
20		30.705	6.430
30		31.366	5.510
50		31.400	5.640
75		32.012	4.920
100		32.732	4.220
125		33.537	3.380
150		33.576	3.340

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 5 DATE 30/ 4/80 GMT 20.4
POSITION 48-28.5 N, 124-39.0 W STATION JF2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10		31.353	7.550
30		32.169	
50		33.291	4.130
75		33.622	3.620
100		33.743	3.100
150		33.780	3.100

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 6 DATE 30/ 4/80 GMT 21.5
POSITION 48-29.5 N, 124-43.5 W STATION JF1
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			8.300
10			7.330
30			5.370
50			4.010
150			3.210
200			3.250
250			2.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 7 DATE 30/ 4/80 GMT 23.2
POSITION 48-35.5 N, 124-57.0 W STATION W 1
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.190
10			6.130
20			5.530
30			4.940
50			4.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 6 DATE 1/ 5/80 GMT .8
POSITION 48-35.5 N, 125-17.0 W STATION W66
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.430
10			7.460
20			7.610
30			6.090
50			6.250
75			4.790
100			3.390

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 10 DATE 1/ 5/80 GMT 2.9
POSITION 48-38.5 N, 125-40.0 W STATION W64
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.100
20			5.620
30			6.340
50			7.070

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 13 DATE 1/ 5/80 GMT 6.5
POSITION 48-43.5 N, 126-16.0 W STATION W61
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.947	7.250
10		32.099	7.220
20		32.262	7.120
30		32.458	7.170
50		32.512	6.520
75		32.864	5.810
100		33.347	4.430
125		33.613	3.950
150		33.724	3.530
175		33.844	3.230
200		33.949	2.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 14 DATE 1/ 5/80 GMT 7.7
POSITION 48-45.5 N, 126-26.0 W STATION W60
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.213	6.910
10		32.206	7.070
30		32.505	7.090
100		33.365	4.240
400		34.054	1.280

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 16 DATE 1/ 5/80 GMT 11.4
POSITION 49- 8.9 N, 126-38.6 W STATION W6DB
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.120
20			6.170
30			6.530
50			6.740
75			4.900
100			3.350
125			2.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 28 DATE 3/ 5/80 GMT 10.4
POSITION 49-51.9 N, 126-39.7 W STATION TI1
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		26.840	6.860
10		30.140	6.170
20		30.602	5.330
30		31.013	4.020
50		31.742	3.370
75		31.988	3.060
100		32.133	2.520
125		32.282	1.750
150		32.396	1.200
175		32.448	.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 29 DATE 6/ 5/80 GMT 18.0
POSITION 49-40.8 N, 126-34.4 W STATION T12
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		27.070	6.530
10		30.388	5.630
20		31.826	4.040
30		32.225	3.450
50		32.531	2.730
75		32.621	2.190
100		32.716	3.350
150		32.774	4.580
200		32.787	5.030
213		32.783	4.990

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 32 DATE 8/ 5/80 GMT 13.1
POSITION 48-48.0 N, 127-37.5 W STATION W19
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.254	6.960
10		32.255	7.150
30		32.500	7.110
50		32.609	6.840
75		33.175	4.800
100		33.472	4.220
150		33.770	3.520
200		33.921	2.920
300		33.954	2.560
500		34.092	1.070
1000		34.400	.580
1500		34.519	.950

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 33 DATE 8/ 5/80 GMT 16.0
POSITION 49- 2.2 N, 127-51.0 W STATION W19B
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.160
30			7.470
50			6.950
100			4.530
200			3.830
300			2.400
500			1.020
1000			.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 34 DATE 11/ 5/80 GMT 13.5
POSITION 50- 6.0 N, 127-58.0 W STATION W47
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			6.360
50			5.490
75			4.360
100			3.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 35 DATE 11/ 5/80 GMT 15.5
POSITION 50- 3.8 N, 128- 2.0 W STATION W46A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.070
30			6.790
50			5.510
75			4.010
100			3.350
150			3.070
200			2.490
300			1.940
500			.890

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 36 DATE 11/ 5/80 GMT 16.4
POSITION 50- 1.5 N, 128- 5.5 W STATION W46
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			4.950
100			3.480
500			1.010

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 37 DATE 11/ 5/80 GMT 17.6
POSITION 49-57.0 N, 128-12.5 W STATION W45
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			6.840
50			5.270
75			4.390
100			5.180
150			4.290
200			2.730
300			1.910
500			1.020
1000			.620

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 39 DATE 11/ 5/80 GMT 23.0
POSITION 49-47.0 N, 128-28.5 W STATION W43
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.010
30			7.060
50			6.930
75			5.670
100			3.830
150			3.130
200			2.980
300			2.070
500			.770
1000			.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 42 DATE 12/ 5/80 GMT 3.7
POSITION 49-31.5 N, 128-52.5 W STATION W40
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.480
30			6.780
50			6.350
75			4.890
100			4.120
150			3.370
200			3.170
300			2.170
500			.940
1000			.400

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 44 DATE 12/ 5/80 GMT 12.0
POSITION 49-18.5 N, 128-36.5 W STATION W38
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.870
50			6.970
75			6.420
100			4.410
150			3.600
200			3.090
300			1.650
500			.850
1000			.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 46 DATE 12/ 5/80 GMT 16.3
POSITION 49- 6.5 N, 128-21.0 W STATION W36
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			7.040
50			7.080
75			6.790
100			4.880
150			3.660
200			3.270
300			2.840
500			.970
1000			.400

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 48 DATE 12/ 5/80 GMT 19.5
POSITION 49-18.0 N, 128- 4.0 W STATION W34
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.890
30			7.150
50			7.030
75			6.330
100			4.770
150			3.880
200			3.300
300			2.270
500			1.150
1000			.650

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 49 DATE 12/ 5/80 GMT 21.4
POSITION 49-23.5 N, 127-55.0 W STATION W33
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.310
30			6.930
50			6.700
75			6.360
100			4.740
150			3.560
200			2.960
300			2.420
500			.780
1000			.590

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 51 DATE 13/ 5/80 GMT 1.0
POSITION 49-34.5 N, 127-38.0 W STATION W31
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.030
30			6.420
50			5.750
75			4.620
100			3.580
300			1.790
500			.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 52 DATE 13/ 5/80 GMT 2.6
POSITION 49-40.5 N, 127-29.0 W STATION W30
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.700
30			6.580
50			7.050
75			5.180
100			4.000
150			3.160
200			2.920
600			1.080

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 53 DATE 13/ 5/80 GMT 3.7
POSITION 49-43.3 N, 127-29.0 W STATION W29A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.220
30			6.860
75			3.730
100			2.850

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 54 DATE 13/ 5/80 GMT 4.3
POSITION 49-46.0 N, 127-20.0 W STATION W29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.130
30			6.880
50			6.500
75			3.190

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 55 DATE 13/ 5/80 GMT 5.3
POSITION 49-40.5 N, 127-11.0 W STATION W28
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.810
30			6.380
50			6.340
75			5.450
100			2.910

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 56 DATE 13/ 5/80 GMT 8.8
POSITION 49-36.0 N, 127- 1.0 W STATION W27
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10		31.789	7.600
30		32.180	6.770
50		32.602	6.310
75		33.065	5.080
100		33.776	4.430

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 57 DATE 13/ 5/80 GMT 9.9
POSITION 49-30.5 N, 126-51.5 W STATION W26
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		30.972	7.080
10		31.351	7.130
20		31.801	7.420
30		31.925	7.080
50		32.397	6.700
75		33.080	4.980

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 59 DATE 13/ 5/80 GMT 19.9
POSITION 49- 4.5 N, 127-11.0 W STATION W22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.110	6.800
10		32.203	6.680
20		32.419	7.220
30		32.562	7.020
50		32.679	6.350
75		33.250	4.890
100		33.604	3.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 60 DATE 13/ 5/80 GMT 23.0
POSITION 49-21.5 N, 126-44.5 W STATION W25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		30.449	7.550
10		31.182	6.700
20		31.842	6.520
30		32.207	6.580
50		32.700	5.940
75		33.172	4.880
100		33.687	3.200

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 61 DATE 0/ 5/80 GMT 23.8
POSITION 49-18.3 N, 126-48.8 W STATION W24A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		30.695	7.020
10		31.361	6.760
20		31.963	6.880
30		32.281	6.740
50		32.543	6.770
75		32.716	6.370
100		33.293	4.580
125		33.844	2.800

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 62 DATE 14/ 5/80 GMT 1.0
POSITION 49-15.5 N, 126-53.0 W STATION W24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.950
20			7.260
30			7.250
50			6.990
75			5.840
100			3.390
140			2.760

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 63 DATE 14/ 5/80 GMT 1.8
POSITION 49-12.8 N, 126-57.5 W STATION W23A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			2.480
10			7.080
30			6.570
50			7.260
75			6.580
100			3.600
150			2.440

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 64 DATE 14/ 5/80 GMT 2.8
POSITION 49-10.0 N, 127- 2.0 W STATION W23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10		31.845	7.250
30		32.394	6.760
50		32.595	6.750
75		32.926	5.430
100		33.616	3.490
150		33.885	2.850
200		33.953	2.620
300		33.976	2.080
350		34.005	1.650

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 65 DATE 14/ 5/80 GMT 4.4
POSITION 49- 1.8 N, 127-15.3 W STATION W21A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.170
30			6.980
50			6.150
75			4.550
100			4.150
150			3.090
200			3.440
300			2.320
500			1.040
1000			.700

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 68 DATE 14/ 5/80 GMT 11.7
POSITION 48-42.0 N, 127-46.0 W STATION W18
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.987	6.950
10		32.145	6.960
30		32.458	
50		32.650	6.590
75			5.400
100		33.366	4.450
150		33.772	3.130
200		33.905	2.860
300		33.961	2.640
500		34.058	1.090
1000		34.376	.420

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 69 DATE 14/ 5/80 GMT 14.6
POSITION 48-34.5 N, 127-30.0 W STATION W16
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.102	7.030
10		32.246	6.790
30		32.590	6.520
50		32.625	6.400
75		32.625	6.550
100		33.402	4.580
150		33.803	3.410
200		33.911	2.940
300		33.985	2.290
500		34.072	1.240
1000		34.407	.590

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 70 DATE 14/ 5/80 GMT 17.4
POSITION 48-25.0 N, 127- 9.5 W STATION W14
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.690
10			6.700
30			7.090
50			6.630
75			5.740
100			4.090
150			3.360
200			3.010
300			2.020
500			.900
1000			.470

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 71 DATE 14/ 5/80 GMT 20.1
POSITION 48-25.8 N, 126-50.0 W STATION W80
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.790
10			7.220
30			6.560
50			6.960
75			6.260
100			4.340
150			3.400
200			3.020
300			2.290
500			1.100
1000			.450

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 72 DATE 14/ 5/80 GMT 23.0
POSITION 49-37.2 N, 126-32.0 W STATION W82
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.910
20			7.220
30			7.090
50			6.920
75			4.990
100			3.950
150			3.080
200			2.760
300			2.560
500			.890
1000			.500

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 73 DATE 15/ 5/80 GMT .9
POSITION 48-43.2 N, 126-22.5 W STATION W83
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.960
20			7.340
30			6.830
50			6.680
75			5.270
100			4.090
150			3.110
200			2.700
300			1.950
500			1.130
675			.760

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 74 DATE 15/ 5/80 GMT 2.7
POSITION 48-49.0 N, 126-13.0 W STATION W84
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.640
20			6.830
30			6.880
50			6.740
75			5.340
100			3.510
132			2.660

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 75 DATE 15/ 5/80 GMT 3.9
POSITION 48-55.0 N, 126- 3.2 W STATION W85
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.980
20			7.130
30			5.850
50			6.560
75			4.690

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 76 DATE 15/ 5/80 GMT 4.7
POSITION 48-54.5 N, 125-54.7 W STATION W87
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.570
20			5.970
30			5.180
50			5.020

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 77 DATE 15/ 5/80 GMT 5.4
POSITION 48-54.0 N, 125-46.0 W STATION W88
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.060
20			7.010
30			5.610
50			4.780
75			4.160
92			4.060

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 78 DATE 15/ 5/80 GMT 6.1
POSITION 48-48.5 N, 125-46.8 W STATION W89
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.200
20			6.770
30			6.080
50			4.900

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 79 DATE 15/ 5/80 GMT 6.9
POSITION 48-43.0 N, 125-47.3 W STATION W90
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.130
20			6.960
30			6.320
50			5.850
75			5.070
100			4.820

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 80 DATE 15/ 5/80 GMT 7.7
POSITION 48-37.3 N, 125-47.8 W STATION W91
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.220
20			7.250
30			6.860
50			5.290

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 81 DATE 15/ 5/80 GMT 8.6
POSITION 48-39.2 N, 125-39.0 W STATION W92
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.040
20			5.540
30			5.050
50			4.720

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 82 DATE 15/ 5/80 GMT 9.4
POSITION 48-41.5 N, 125-30.6 W STATION W93
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.610
20			6.220
30			5.760
50			5.040
75			4.810
100			4.420
150			3.460

OFFSHORE OCEANOGRAPHY GROUP
PEFERENCE NO. 80- 11- 83 DATE 15/ 5/80 GMT 10.7
POSITION 48-43.2 N, 125-22.8 W STATION W94
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.400
20			6.960
30			6.610
50			4.630
75			3.530

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 84 DATE 15/ 5/80 GMT 12.0
POSITION 48-25.5 N, 125-28.3 W STATION W105
HYDROGRAPHIC CAST DATA

OBSEPVED DATA

DEPTH	TEMP	SAL	OXY
10			6.980
20			7.060
30			6.530
50			6.260
75			4.530
100			2.600
125			2.320

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 85 DATE 15/ 5/80 GMT 13.0
POSITION 48-18.6 N, 125-41.2 W STATION W107
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.680
20			7.080
30			6.980
50			6.600
75			5.410
100			3.750
125			3.450
150			2.830

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 86 DATE 15/ 5/80 GMT 14.3
POSITION 48-12.9 N, 125-52.0 W STATION W109
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.950
20			7.400
30			7.030
50			6.820
75			6.470
100			4.800
125			4.140
150			3.470
200			3.120
250			2.840
300			2.470
500			1.200

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 87 DATE 15/ 5/80 GMT 15.6
POSITION 48- 8.5 N, 126- .0 W STATION W111
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.890
20			7.310
30			7.290
50			6.720
75			5.430
100			4.220
125			3.710
150			3.140
200			2.930
300			2.510
500			1.100
1000			.690

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 88 DATE 15/ 5/80 GMT 17.1
POSITION 48- 4.0 N, 125-55.3 W STATION W200
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.510
20			6.900
30			6.980
50			6.930
75			6.290
100			4.350
125			3.770
150			3.530
200			2.990
300			2.300
500			1.170
917			.700

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 89 DATE 15/ 5/80 GMT 19.0
POSITION 48- 4.0 N, 125-35.9 W STATION W202
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.920
20			7.300
30			6.960
50			6.720
75			4.190
100			4.330
150			3.030

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 90 DATE 15/ 5/80 GMT 19.9
POSITION 48- 4.0 N, 125-25.3 W STATION W203
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.870
30			7.210
50			6.900
75			6.860
100			4.950

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 91 DATE 15/ 5/60 GMT 20.8
POSITION 48- 4.0 N, 125-13.9 W STATION W204
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.950
20			7.120
30			6.650
50			6.470
75			5.780
100			4.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 92 DATE 15/ 5/60 GMT 21.8
POSITION 48- 4.0 N, 125- 3.5 W STATION W205
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.150
20			7.240
30			6.900
50			6.350
75			5.150
100			3.300

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 93 DATE 15/ 5/80 GMT 22.8
POSITION 48- 4.0 N, 124-50.1 W STATION W206
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.230
20			6.320
30			6.530
50			5.040
75			2.990

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 94 DATE 15/ 5/80 GMT 23.6
POSITION 48-12.5 N, 124-50.0 W STATION W207
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.780
20			6.590
30			5.860
45			4.660

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 95 DATE 16/ 5/80 GMT .4
POSITION 48-21.2 N, 124-50.0 W STATION W208
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.290
20			5.820
30			5.200
50			3.670
75			3.110
100			2.930

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 96 DATE 16/ 5/80 GMT 1.5
POSITION 48-28.5 N, 124-39.0 W STATION F2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.540
20			5.750
30			5.520
50			4.370
75			3.440
100			3.190
150			2.780
200			2.530
250			2.300

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 97 DATE 16/ 5/80 GMT 3.8
POSITION 48-18.8 N, 124- 5.5 W STATION F6
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.510
20			5.460
30			5.140
50			4.680
100			3.310
125			2.650
150			2.560
175			2.550

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 98 DATE 16/ 5/80 GMT 5.3
POSITION 48-14.5 N, 123-40.8 W STATION F9
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.020
20			4.770
30			4.770
50			4.700
75			3.890
100			3.180
150			2.710
165			2.740

Volume

3

Water Property Observations Off the West Coast of Vancouver Island During CODE: May 1979 to September 1980

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Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

1984

Canadian Data Report of Hydrography and Ocean Sciences No. 23 (3)

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of Hydrography and Ocean Sciences No. 23(3)

1984

WATER PROPERTY OBSERVATIONS OFF THE WEST COAST OF VANCOUVER ISLAND DURING CODE: MAY 1979 TO SEPTEMBER 1980

by

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and
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Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

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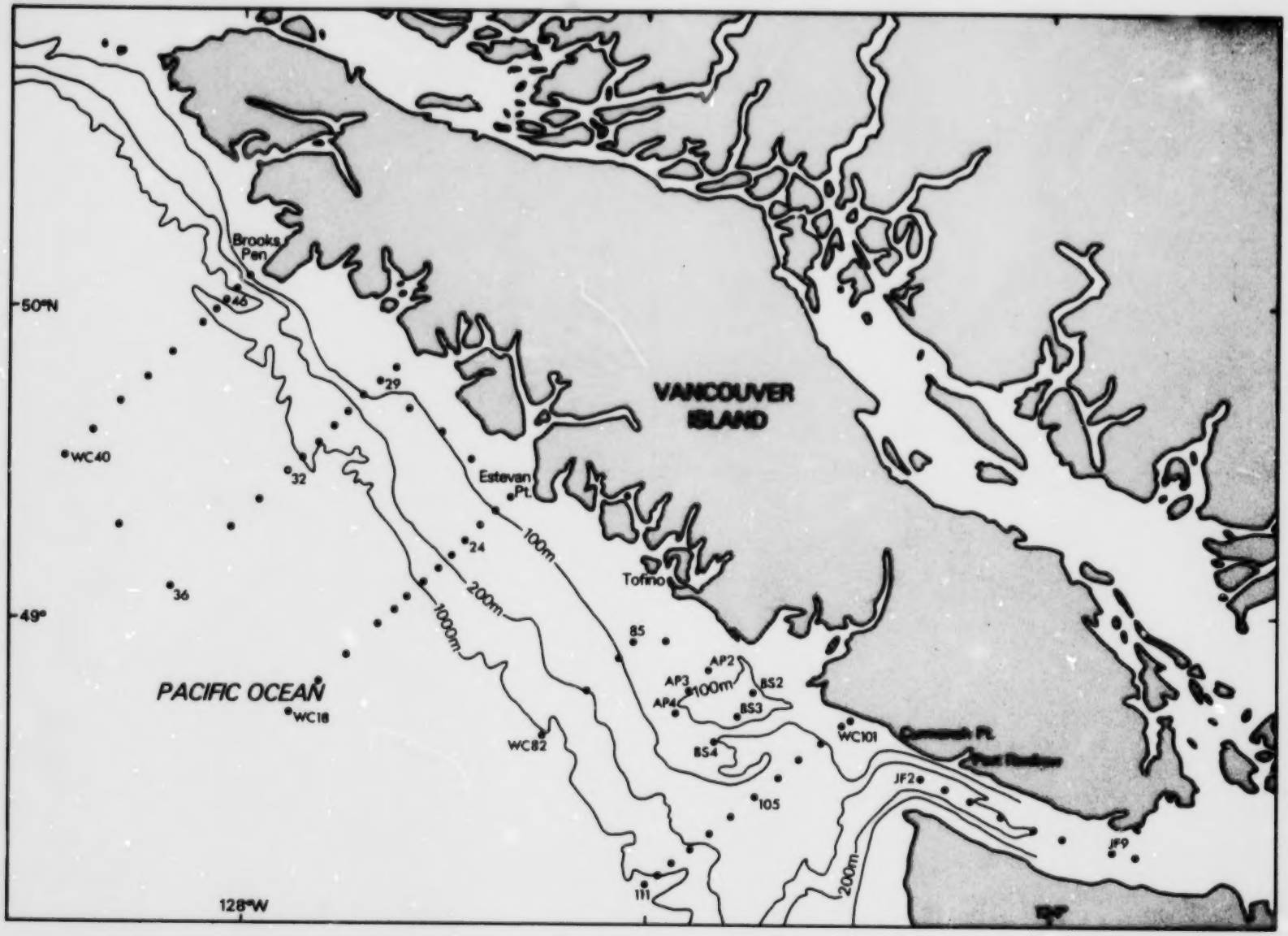
Can. Data Rep. Hydrogr. Ocean Sci. 23: (Vol. 3) 390 p.

CRUISE 80-13

JULY 1980


VANCOUVER ISLAND
PACIFIC OCEAN
Brooks Pen
Estevan Pt.
Tofino
50°N
49°
128°W
100m
200m
1000m
46
29
32
24
36
WC40
WC18
WC82
85
AP2
AP3
AP4
BS2
BS3
BS4
WC101
JF2
JF9
105
111

COASTAL OCEANIC DYNAMICS EXPERIMENT

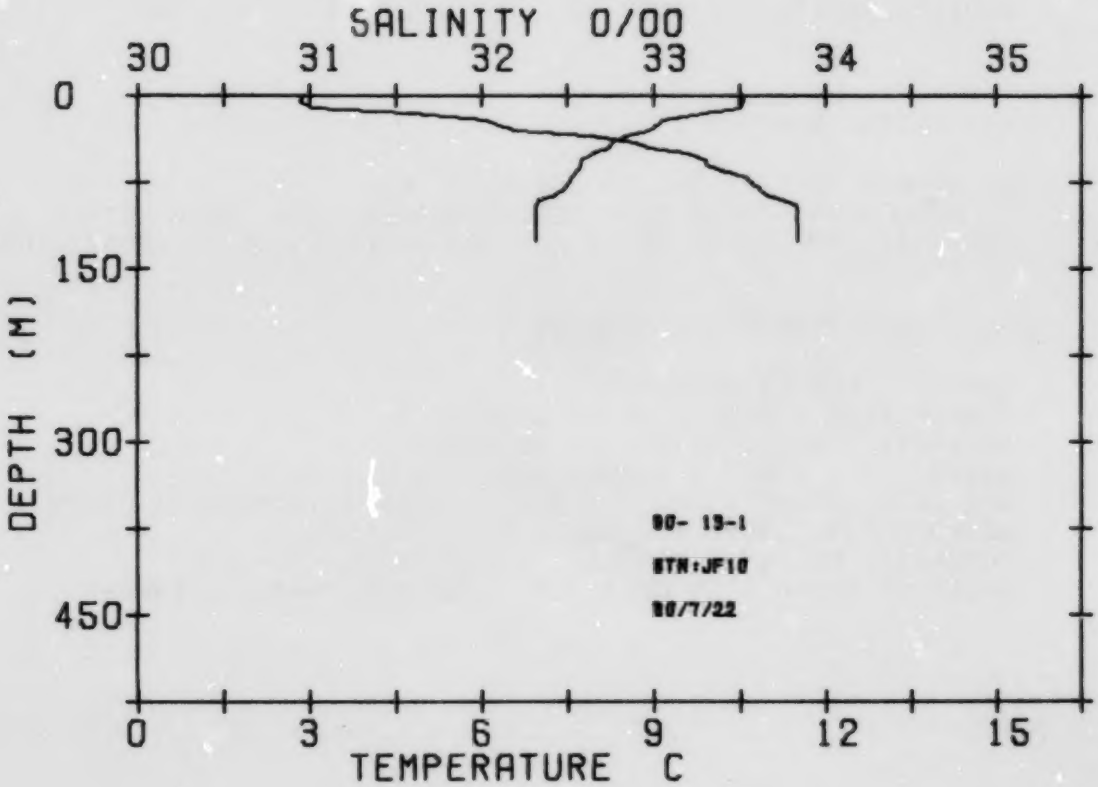
CRUISE 80-13, JULY 22 - JULY 30 , 1980

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 69
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 80.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 49

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-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33
34
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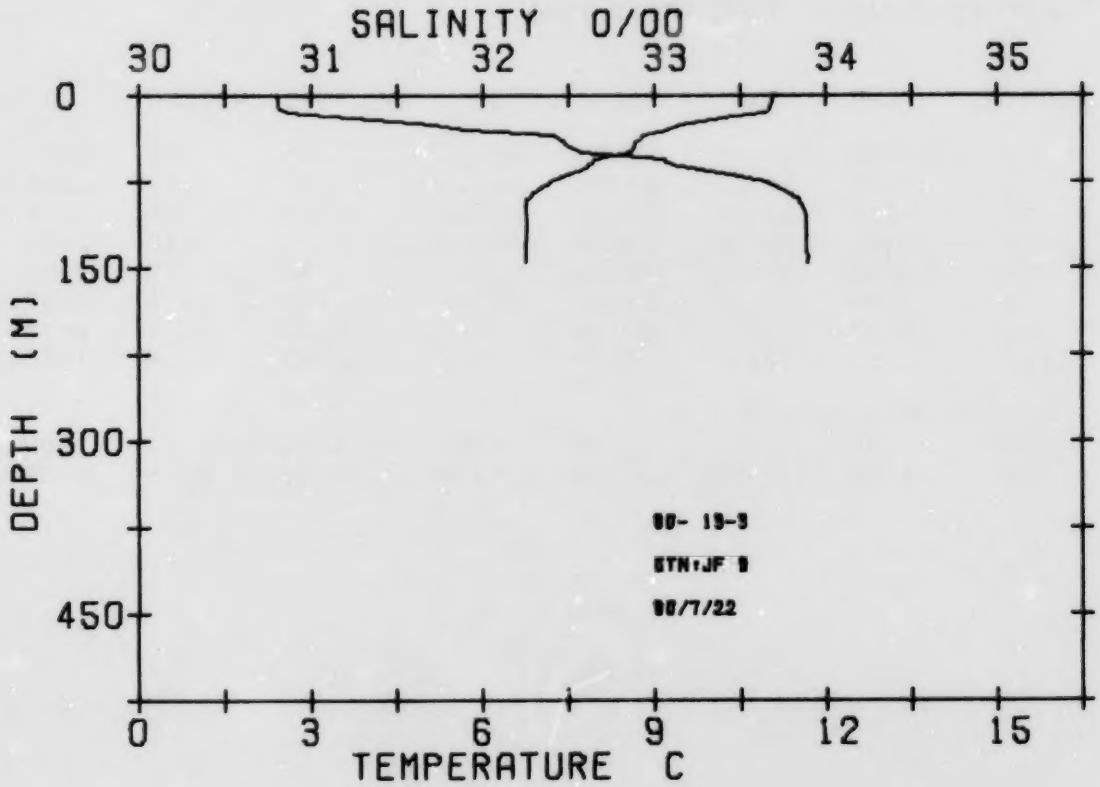
150
300
450
DEPTH (M)
90- 19-1
STN:JF10
90/7/22
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF10 CONS #001
LAT N 48 13.5 LONG W 123 35.0
DATE 80/07/22 TIME (PST) 1905

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.55	30.95	23.73	417.6	.00	.00	1487.2
10	10.49	31.01	23.78	412.7	.42	.02	1487.2
20	9.17	32.01	24.78	318.2	.78	.07	1483.8
30	8.92	32.19	24.96	300.9	1.09	.15	1483.3
50	7.92	33.20	25.90	212.3	1.59	.35	1481.1
75	7.50	33.57	26.25	179.4	2.07	.65	1480.4
100	6.93	33.84	26.54	151.9	2.49	1.01	1478.9
125	6.92	33.84	26.54	152.2	2.87	1.44	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.5	6.93	33.84	26.54	152.5	2.87	1.45	1479.3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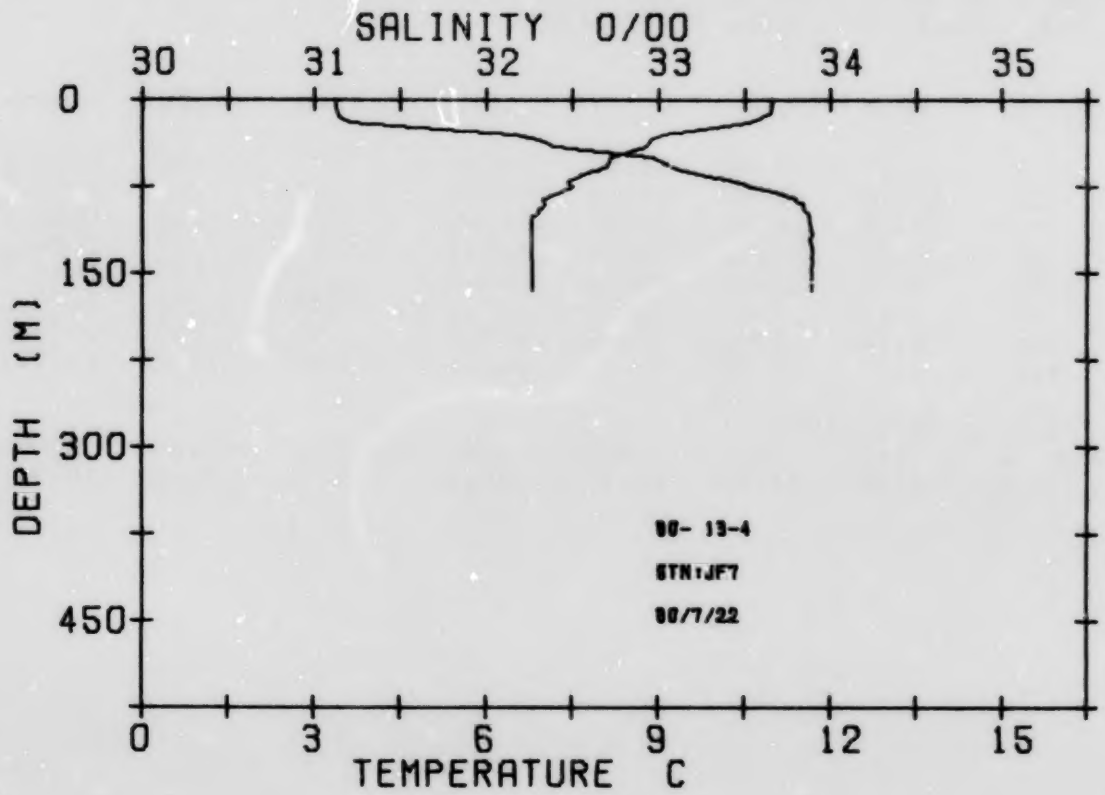
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF 9 CONS #003
LAT N 48 14.5 LONG W 123 40.8
DATE 80/07/22 TIME (PST) 2047

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.06	30.80	23.53	437.0	.00	.00	1488.9
10	11.02	30.81	23.54	435.6	.44	.02	1488.9
20	10.18	31.23	24.01	391.4	.86	.08	1486.5
30	9.23	31.91	24.69	326.9	1.21	.17	1484.1
50	8.55	32.58	25.32	266.9	1.78	.40	1482.7
75	7.17	33.65	26.35	169.1	2.30	.72	1479.2
100	6.74	33.88	26.60	146.4	2.68	1.05	1478.2
125	6.77	33.89	26.60	146.2	3.05	1.47	1478.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
145.8	6.75	33.90	26.61	146.0	3.35	1.88	1479.0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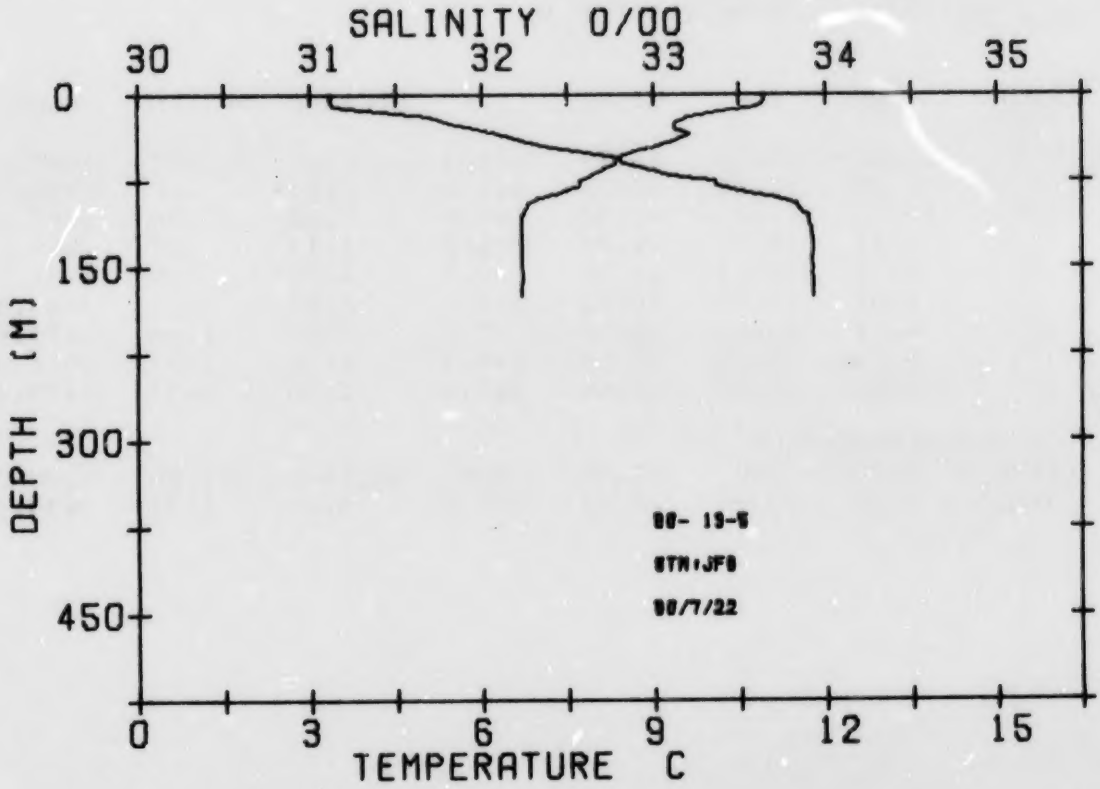
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-4
STN:JF7
80/7/22
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF7 CONS #004
LAT N 48 17.0 LONG W 123 57.5
DATE 80/07/22 TIME (PST) 2136

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.97	31.12	23.79	411.9	.00	.00	1489.0
10	10.94	31.13	23.80	411.3	.41	.02	1489.0
20	10.56	31.20	23.92	399.8	.82	.08	1487.9
30	9.13	32.12	24.87	309.2	1.17	.17	1484.0
50	8.15	32.97	25.68	232.7	1.72	.39	1481.7
75	7.51	33.53	26.22	182.0	2.25	.71	1480.3
100	6.81	33.88	26.58	147.5	2.64	1.06	1478.4
125	6.79	33.89	26.59	146.9	3.01	1.47	1478.8
150	6.80	33.89	26.60	147.1	3.38	1.97	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
165.2	6.80	33.89	26.60	147.5	3.60	2.32	1479.5

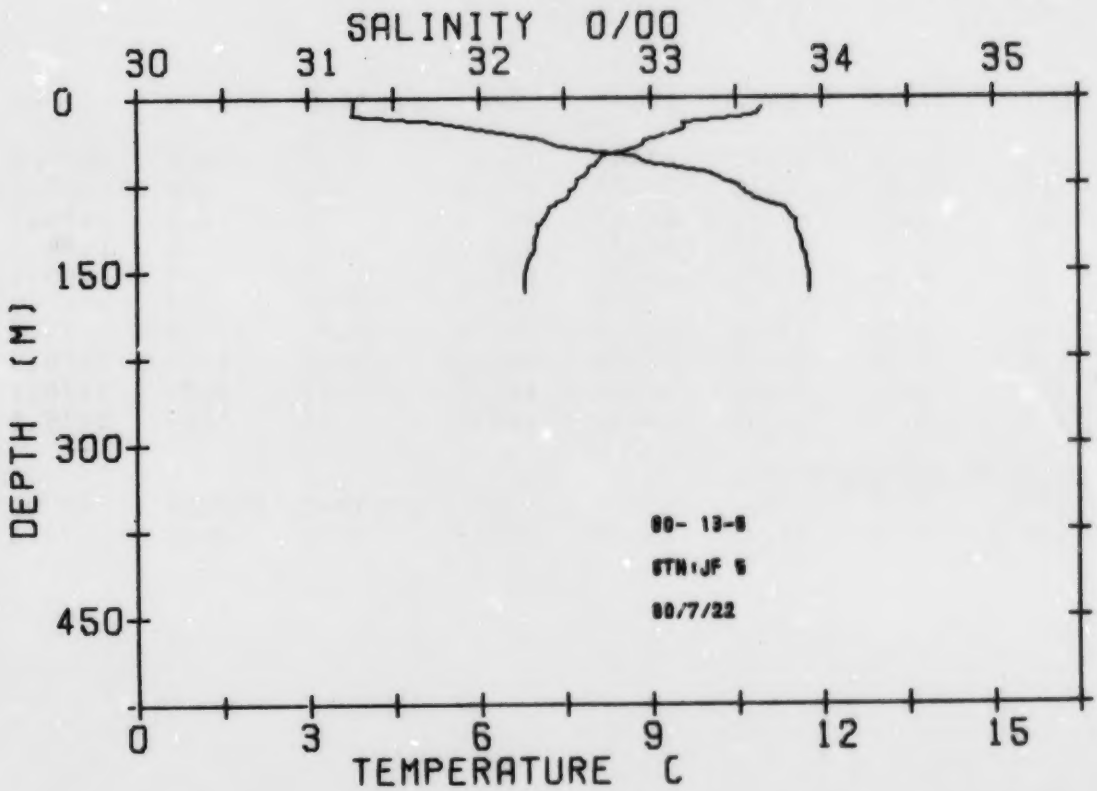

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF6 CONS #005
LAT N 48 18.8 LONG W 124 05.5
DATE 80/07/22 TIME (PST) 2218

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.92	31.12	23.80	411.0	.00	.00	1488.8
10	10.79	31.13	23.83	408.4	.41	.02	1488.5
20	9.57	31.70	24.47	347.4	.79	.08	1484.9
30	9.35	31.97	24.72	324.1	1.12	.16	1484.6
50	8.66	32.55	25.28	271.3	1.73	.40	1483.1
75	7.72	33.35	26.04	198.8	2.32	.77	1480.9
100	6.74	33.86	26.58	147.9	2.75	1.14	1478.1
125	6.70	33.93	26.64	142.5	3.11	1.54	1478.5
150	6.70	33.93	26.64	143.2	3.47	2.04	1478.9
175	6.70	33.93	26.64	143.6	3.83	2.62	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.1	6.70	33.93	26.64	143.6	3.83	2.62	1479.3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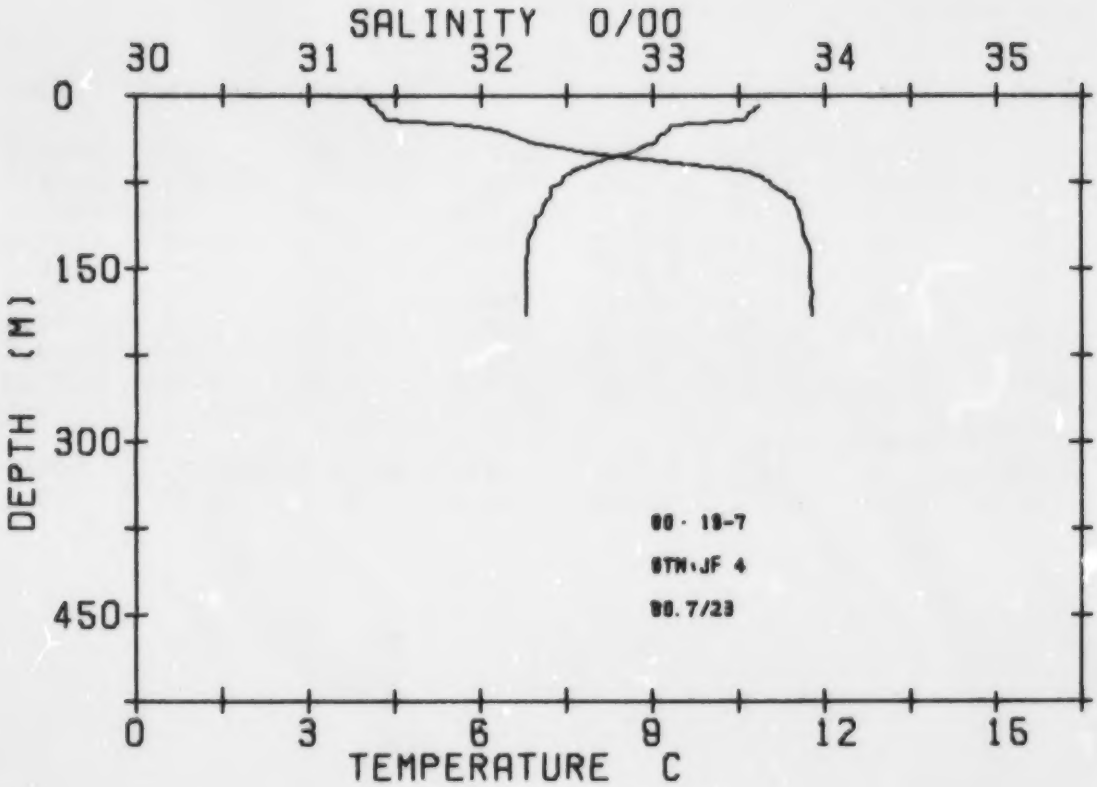
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-6
STN:JF 6
80/7/22
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF 5 CONS #006
LAT N 48 21.0 LONG W 124 14.2
DATE 80/07/22 TIME (PST) 2328

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.01	31.26	23.89	402.6	.00	.00	1489.3
10	10.90	31.27	23.91	400.4	.40	.02	1489.1
20	9.61	31.74	24.49	345.1	.79	.08	1485.1
30	9.36	32.12	24.83	313.0	1.12	.16	1484.8
50	8.15	32.90	25.63	237.6	1.67	.38	1481.6
75	7.67	33.51	26.17	186.2	2.20	.70	1480.9
100	7.18	33.81	26.48	157.7	2.63	1.08	1479.8
125	6.96	33.88	26.56	149.8	3.01	1.51	1479.4
150	6.79	33.92	26.62	145.1	3.38	2.02	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
168.5	6.77	33.92	26.63	144.4	3.65	2.44	1479.5

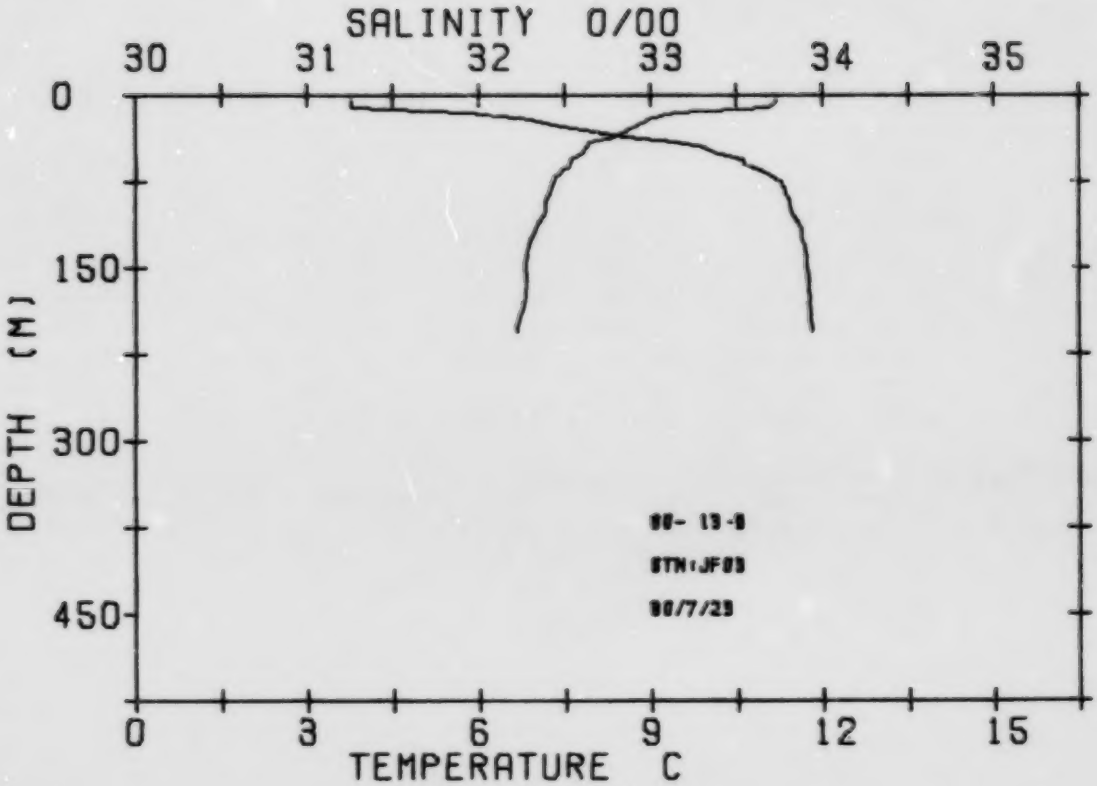

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80 · 19-7
STN:JF 4
80.7/23
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: JF 4 CONS #007
LAT N 48 24.5 LONG W 124 23.0
DATE 80/07/23 TIME (PST) 0022

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.91	31.31	23.94	397.2	.00	.00	1489.0
10	10.81	31.39	24.03	389.7	.39	.02	1488.9
20	10.60	31.45	24.11	381.9	.78	.08	1488.3
30	9.24	32.10	24.84	312.4	1.12	.16	1484.3
50	8.58	32.62	25.35	264.6	1.70	.39	1482.9
75	7.38	33.66	26.35	169.2	2.21	.71	1480.0
100	7.04	33.85	26.53	152.5	2.61	1.05	1479.3
125	6.82	33.89	26.59	147.1	2.98	1.47	1478.9
150	6.79	33.92	26.62	144.4	3.35	1.97	1479.2
175	6.79	33.92	26.62	145.0	3.71	2.56	1479.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
190.2	6.78	33.93	26.63	144.9	3.93	2.96	1479.9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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

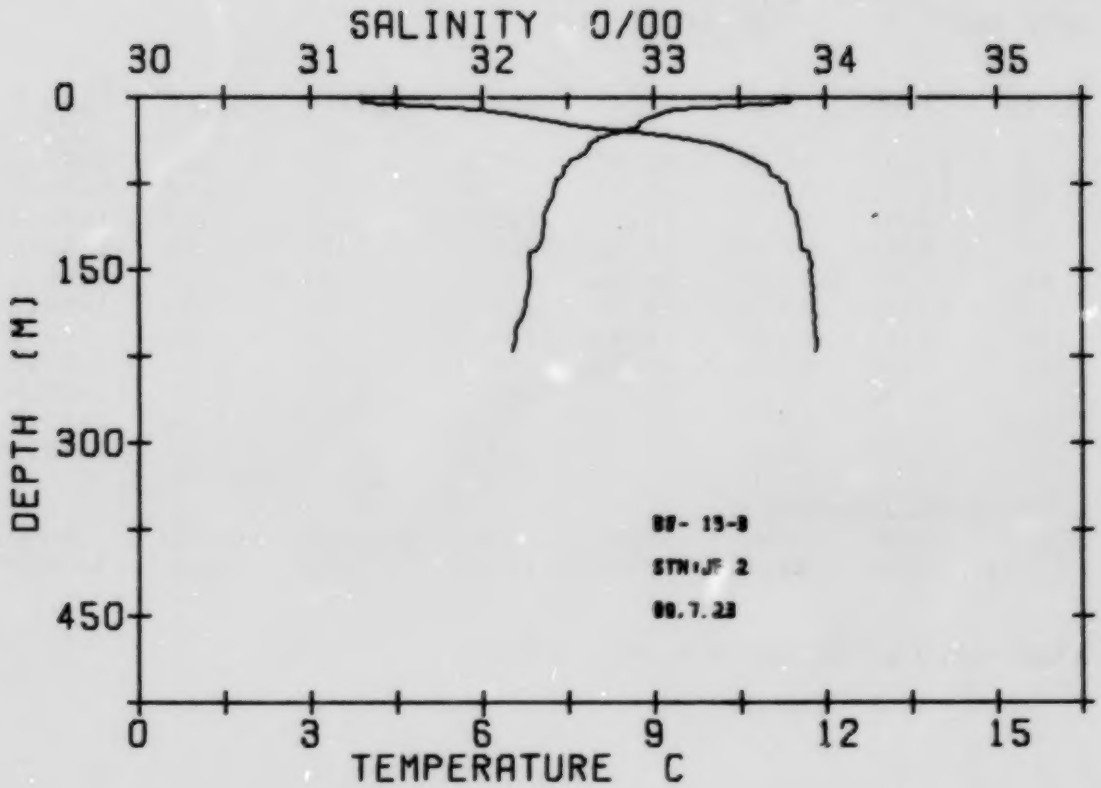
CRUISE : C.O.D.E. 80-13.
STATION: JF03 CONS #008
LAT N 48 26.0 LONG W 124 31.0
DATE 80/07/23 TIME (PST) 0126

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.20	31.26	23.86	405.6	.00	.00	1490.0
10	11.07	31.26	23.88	403.4	.40	.02	1489.7
20	8.96	32.30	25.03	293.8	.74	.07	1483.4
30	8.61	32.60	25.32	266.5	1.02	.14	1482.6
50	7.80	33.38	26.06	197.1	1.47	.32	1480.9
75	7.28	33.76	26.43	162.0	1.92	.59	1479.8
100	7.17	33.82	26.49	156.7	2.31	.94	1479.8
125	6.91	33.88	26.58	148.7	2.69	1.36	1479.3
150	6.82	33.91	26.61	145.8	3.06	1.87	1479.4
175	6.81	33.93	26.62	144.8	3.42	2.46	1479.7
200	6.67	33.94	26.65	142.6	3.78	3.13	1479.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
206.1	6.66	33.94	26.66	142.3	3.87	3.31	1479.7

WIND MIXED LAYER DEPTH = 8.6 METRES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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

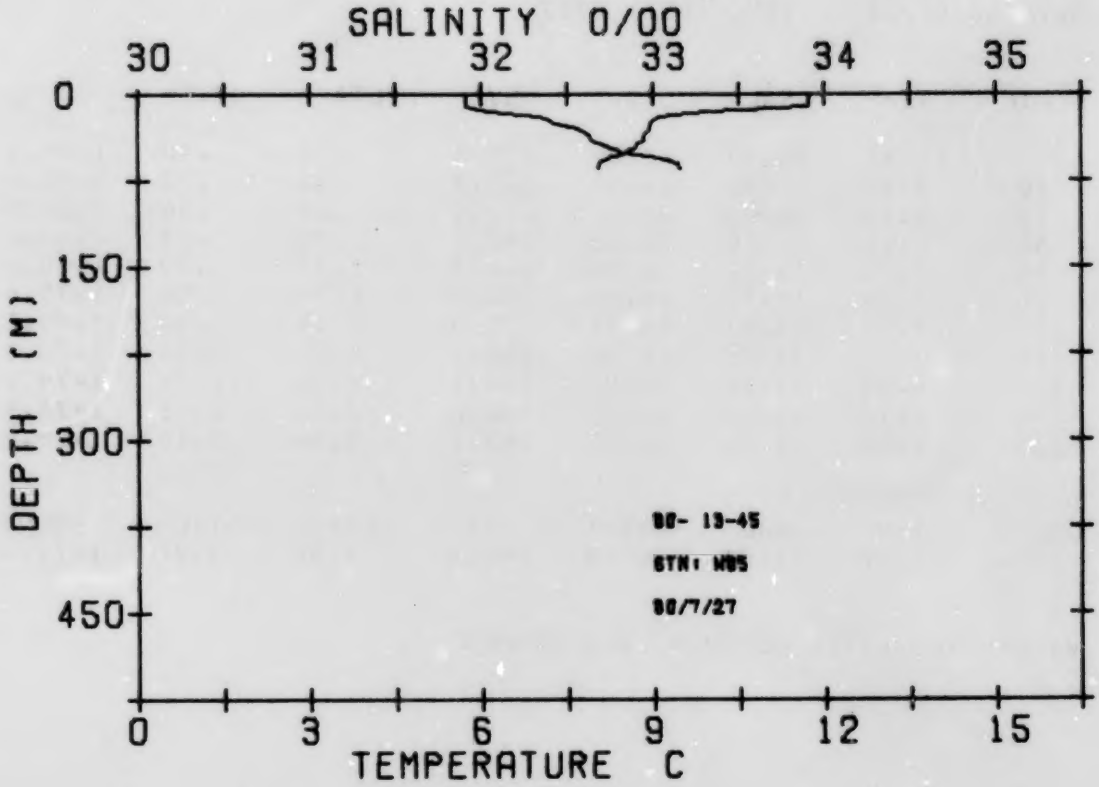
CRUISE : C.O.D.E. 80-13.
STATION: JF 2 CONS #009
LAT N 48 28.5 LONG W 124 39.0
DATE 80/07/23 TIME (PST) 0317

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.42	31.30	23.85	406.3	.00	.00	1490.8
10	9.44	31.95	24.69	326.3	.38	.02	1484.6
20	8.78	32.42	25.16	282.0	.69	.06	1482.9
30	8.41	32.88	25.58	242.1	.95	.13	1482.2
50	7.73	33.53	26.19	184.7	1.37	.29	1480.8
75	7.25	33.77	26.44	160.9	1.79	.56	1479.6
100	7.10	33.83	26.51	155.0	2.19	.90	1479.5
125	7.02	33.86	26.54	152.2	2.57	1.34	1479.6
150	6.84	33.91	26.61	146.1	2.94	1.84	1479.4
175	6.76	33.93	26.63	144.0	3.31	2.43	1479.5
200	6.58	33.94	26.67	141.1	3.66	3.10	1479.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
220.1	6.52	33.94	26.68	140.4	3.95	3.70	1479.4

WIND MIXED LAYER DEPTH = 4.9 METRES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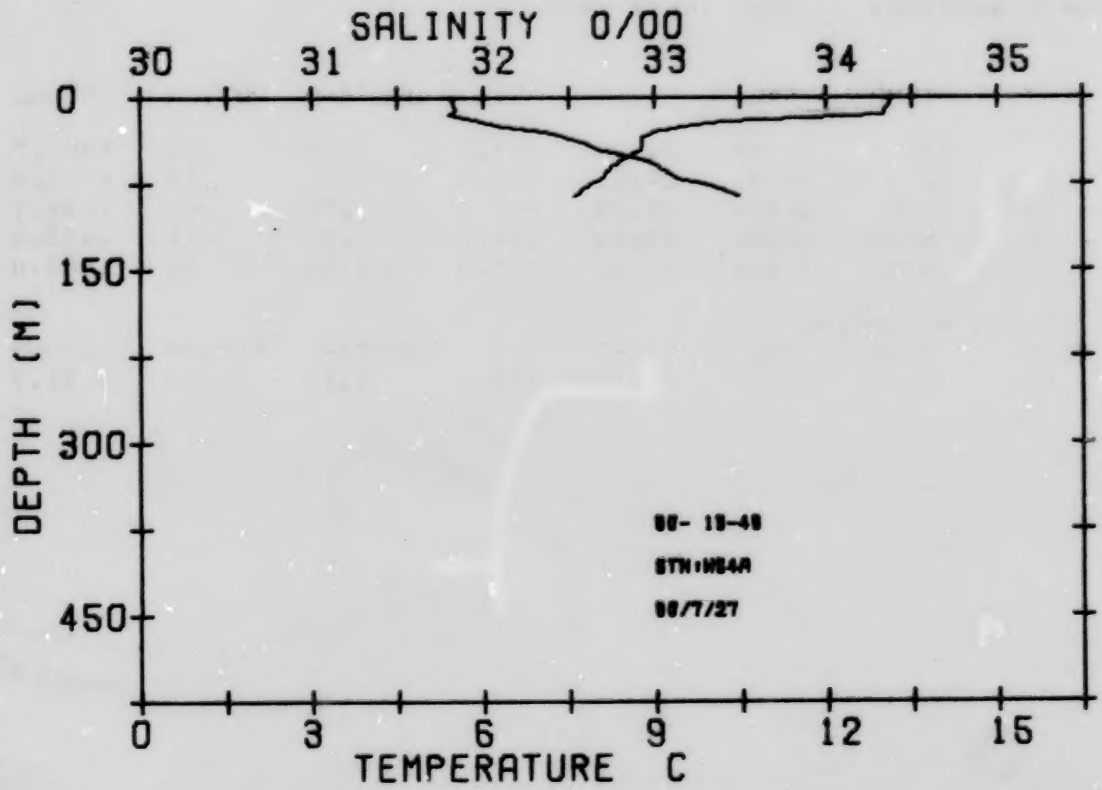
34
35
0
150
300
450
DEPTH (M)
80- 13-45
STN: N05
80/7/27
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: W85 CONS #045
LAT N 48 55.0 LONG W 126 03.2
DATE 80/07/27 TIME (PST) 1414

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.75	31.91	24.26	367.2	.00	.00	1492.7
10	11.72	31.91	24.26	366.9	.37	.02	1492.8
20	9.13	32.34	25.05	292.7	.70	.07	1484.1
30	8.95	32.56	25.24	274.1	.98	.14	1483.8
50	8.56	32.82	25.51	249.3	1.51	.35	1483.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
64.1	8.04	33.16	25.85	217.2	1.83	.53	1481.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

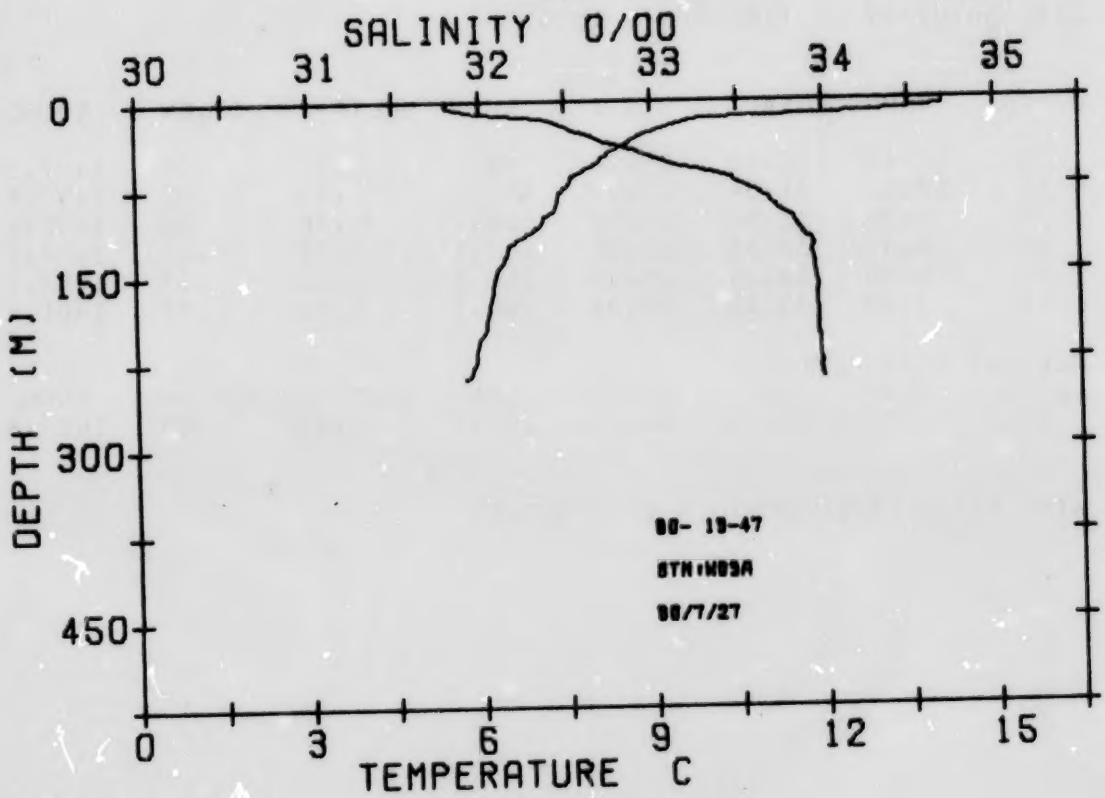
CRUISE : C.O.D.E. 80-13.
STATION: W84A CONS #046
LAT N 48 52.0 LONG W 126 08.1
DATE 80/07/27 TIME (PST) 1530

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.12	31.80	23.92	399.5	.00	.00	1497.3
10	13.02	31.84	23.97	395.0	.40	.02	1497.2
20	10.35	31.98	24.56	338.7	.78	.08	1488.1
30	8.97	32.36	25.08	289.1	1.09	.15	1483.7
50	8.60	32.81	25.49	251.1	1.63	.37	1483.2
75	7.87	33.29	25.98	205.1	2.20	.72	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.1	7.59	33.49	26.17	186.3	2.40	.88	1480.8

WIND MIXED LAYER DEPTH = 14.8 METRES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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

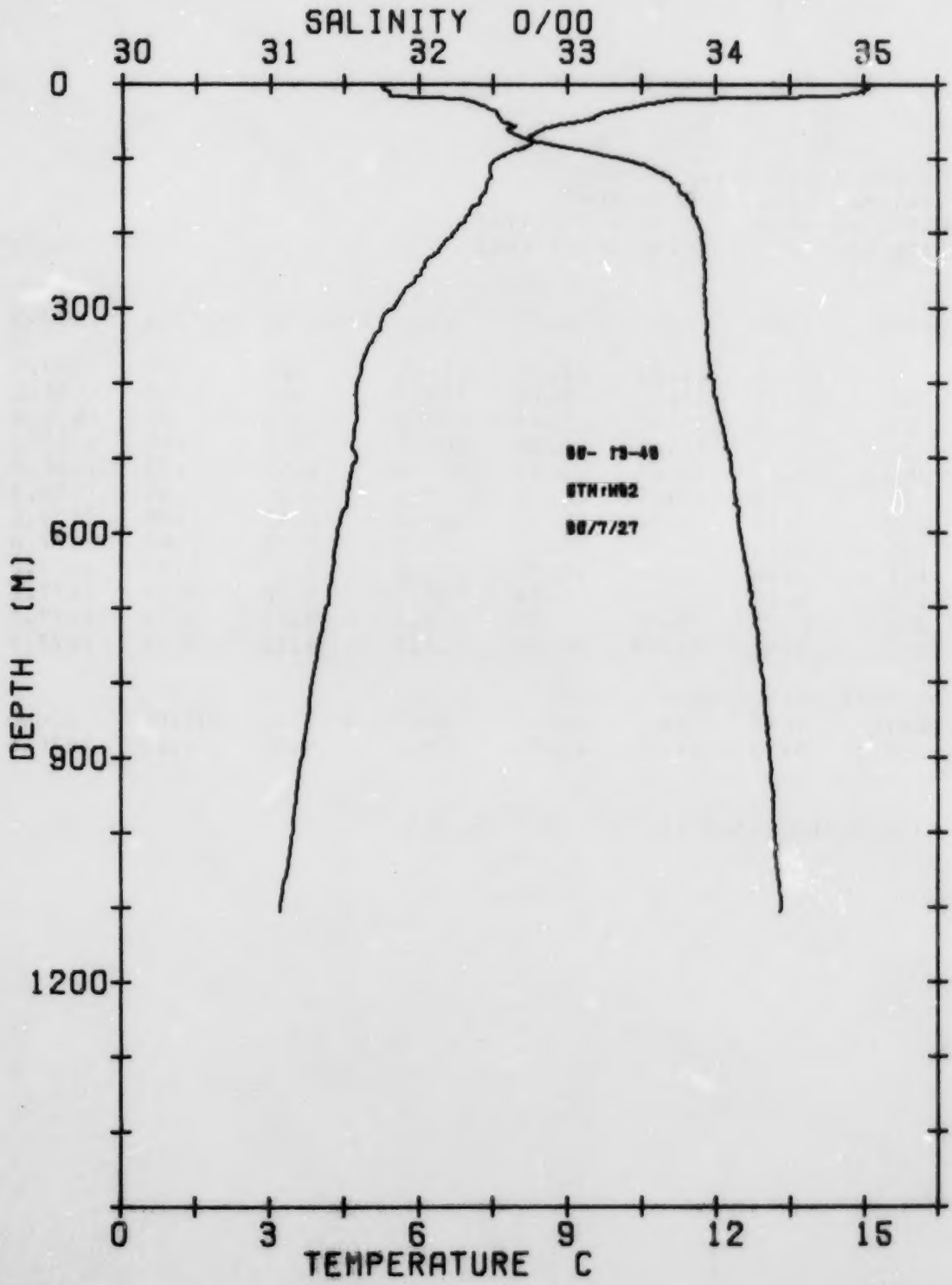
CRUISE : C.O.D.E. 80-13.
STATION: W83A CONS #047
LAT N 48 46.1 LONG W 126 17.7
DATE 80/07/27 TIME (PST) 1642

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.09	31.81	23.73	417.5	.00	.00	1500.5
10	12.81	32.00	24.13	379.7	.41	.02	1496.6
20	9.45	32.46	25.08	289.0	.73	.07	1485.4
30	8.78	32.65	25.34	265.2	1.01	.14	1483.3
50	8.13	33.03	25.73	227.6	1.50	.33	1481.7
75	7.48	33.57	26.25	178.6	2.00	.64	1480.3
100	7.12	33.82	26.50	155.6	2.41	1.00	1479.6
125	6.51	33.95	26.68	138.8	2.79	1.42	1477.8
150	6.26	33.96	26.72	134.9	3.13	1.89	1477.2
175	6.15	33.96	26.74	133.7	3.46	2.44	1477.2
200	6.07	33.97	26.76	132.4	3.80	3.06	1477.3
225	5.91	33.99	26.79	129.7	4.12	3.75	1477.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
240.3	5.73	34.00	26.82	126.6	4.32	4.21	1476.6

WIND MIXED LAYER DEPTH = 5.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

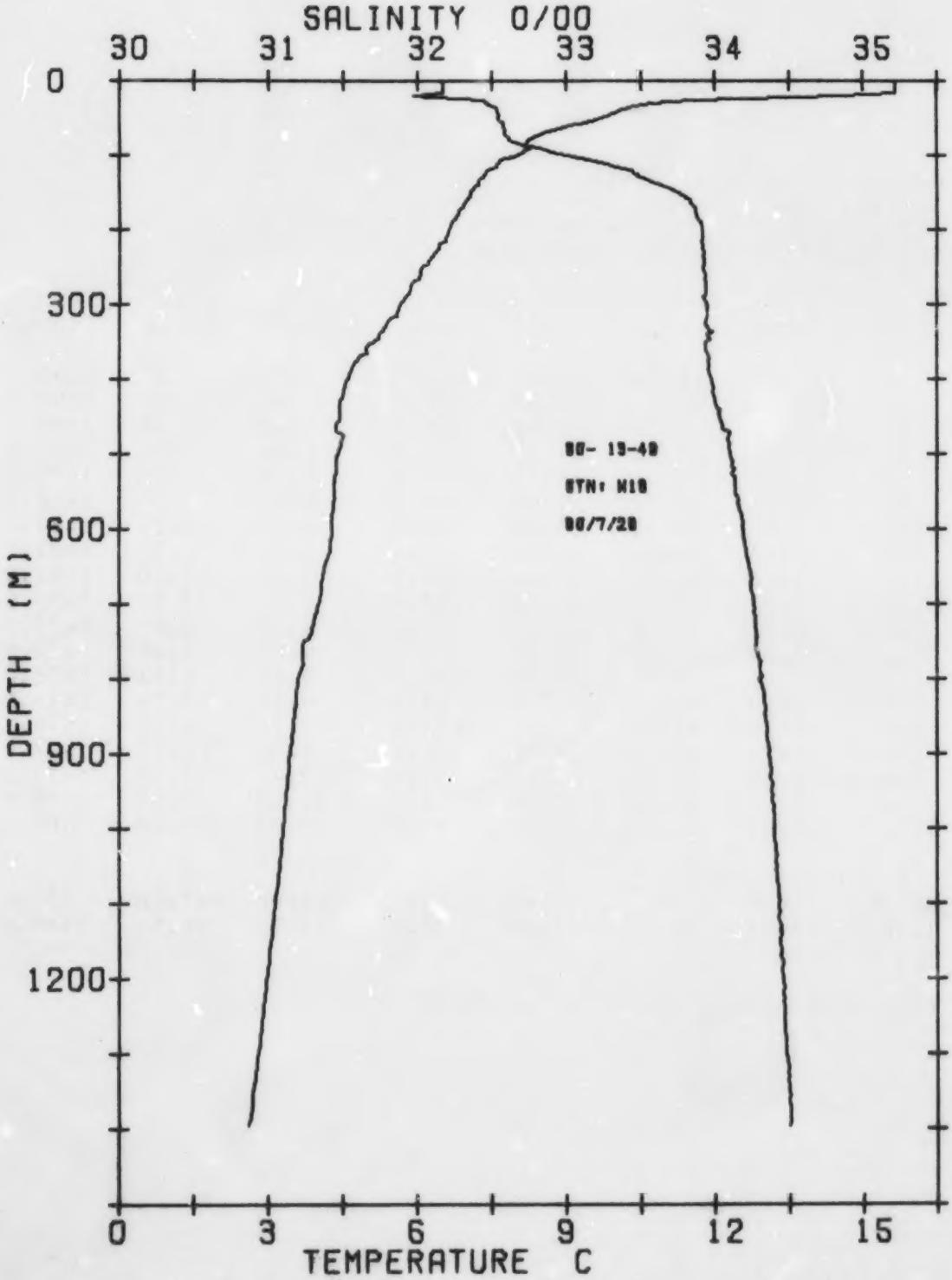
CRUISE : C.O.D.E. 80-13.
STATION: W82 CONS #048
LAT N 48 37.2 LONG W 126 32.0
DATE 80/07/27 TIME (PST) 1832

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.09	31.76	23.49	441.0	.00	.00	1503.7
10	15.00	31.80	23.53	437.0	.44	.02	1503.6
20	11.33	32.29	24.63	331.9	.85	.08	1492.0
30	10.41	32.46	24.93	304.2	1.16	.16	1489.1
50	9.28	32.56	25.19	279.3	1.74	.39	1485.4
75	8.27	32.76	25.50	250.1	2.40	.80	1482.3
100	7.60	33.37	26.08	195.9	2.96	1.29	1480.9
125	7.48	33.69	26.35	170.4	3.41	1.79	1481.2
150	7.28	33.80	26.46	160.5	3.82	2.36	1481.0
175	7.03	33.85	26.53	153.9	4.21	3.00	1480.5
200	6.71	33.91	26.62	145.5	4.59	3.69	1479.7
225	6.39	33.92	26.68	140.5	4.94	4.45	1478.9
250	6.06	33.93	26.72	136.3	5.29	5.27	1478.0
300	5.50	33.93	26.79	129.9	5.95	7.10	1476.5
400	4.78	33.98	26.92	118.5	7.19	11.42	1475.3
500	4.76	34.09	27.01	111.0	8.34	16.57	1477.0
600	4.38	34.16	27.11	102.4	9.40	22.42	1477.1
800	3.86	34.32	27.28	86.8	11.29	35.57	1478.5
1000	3.47	34.40	27.38	77.9	12.93	50.28	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1105.2	3.21	34.43	27.44	72.9	13.72	58.59	1480.9

WIND MIXED LAYER DEPTH = 12.5 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 13-48
STN: H18
80/7/28
0
3
6
9
12
15
TEMPERATURE C

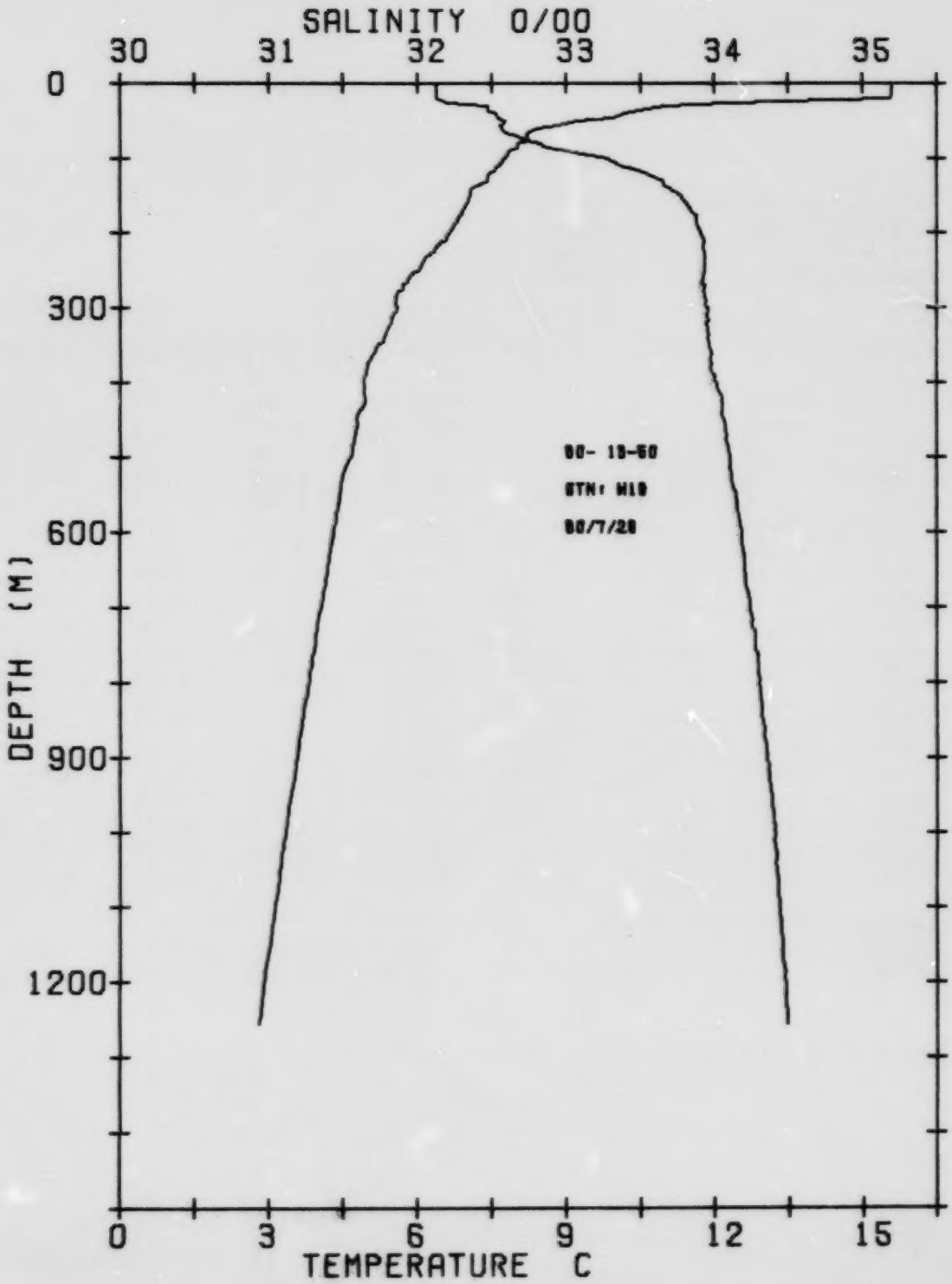
CRUISE : C.O.D.E. 80-13.
STATION: W18 CONS #049
LAT N 48 42.0 LONG W 127 46.0
DATE 80/07/28 TIME (PST) 0258

DEPTH	TEMP	SAL.	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.67	32.17	23.67	423.3	.00	.00	1506.0
10	15.66	32.17	23.68	423.2	.42	.02	1506.2
20	14.62	31.97	23.74	416.9	.84	.08	1502.8
30	10.75	32.47	24.87	309.3	1.19	.17	1490.3
50	9.71	32.54	25.11	287.5	1.78	.40	1487.0
75	8.35	32.61	25.37	262.4	2.46	.83	1482.4
100	8.04	33.00	25.72	229.5	3.08	1.37	1482.1
125	7.38	33.47	26.19	185.8	3.59	1.94	1480.6
150	7.09	33.76	26.46	160.4	4.03	2.54	1480.2
175	6.85	33.87	26.58	149.3	4.41	3.16	1479.8
200	6.66	33.92	26.64	144.1	4.78	3.85	1479.5
225	6.44	33.92	26.67	141.1	5.13	4.61	1479.1
250	6.13	33.92	26.71	137.5	5.48	5.43	1478.3
300	5.67	33.95	26.79	130.7	6.15	7.27	1477.3
400	4.61	33.98	26.93	117.1	7.39	11.61	1474.6
500	4.40	34.10	27.05	106.7	8.51	16.61	1475.5
600	4.29	34.19	27.13	99.6	9.54	22.26	1476.8
800	3.61	34.30	27.30	84.9	11.37	35.07	1477.4
1000	3.30	34.40	27.40	75.8	12.96	49.34	1479.5
1200	2.98	34.46	27.48	69.2	14.41	65.25	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1395.1	2.61	34.50	27.55	62.8	15.69	81.88	1483.2

WIND MIXED LAYER DEPTH = 17.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 15-60
STN: H18
80/7/28
0
3
6
9
12
15
TEMPERATURE C

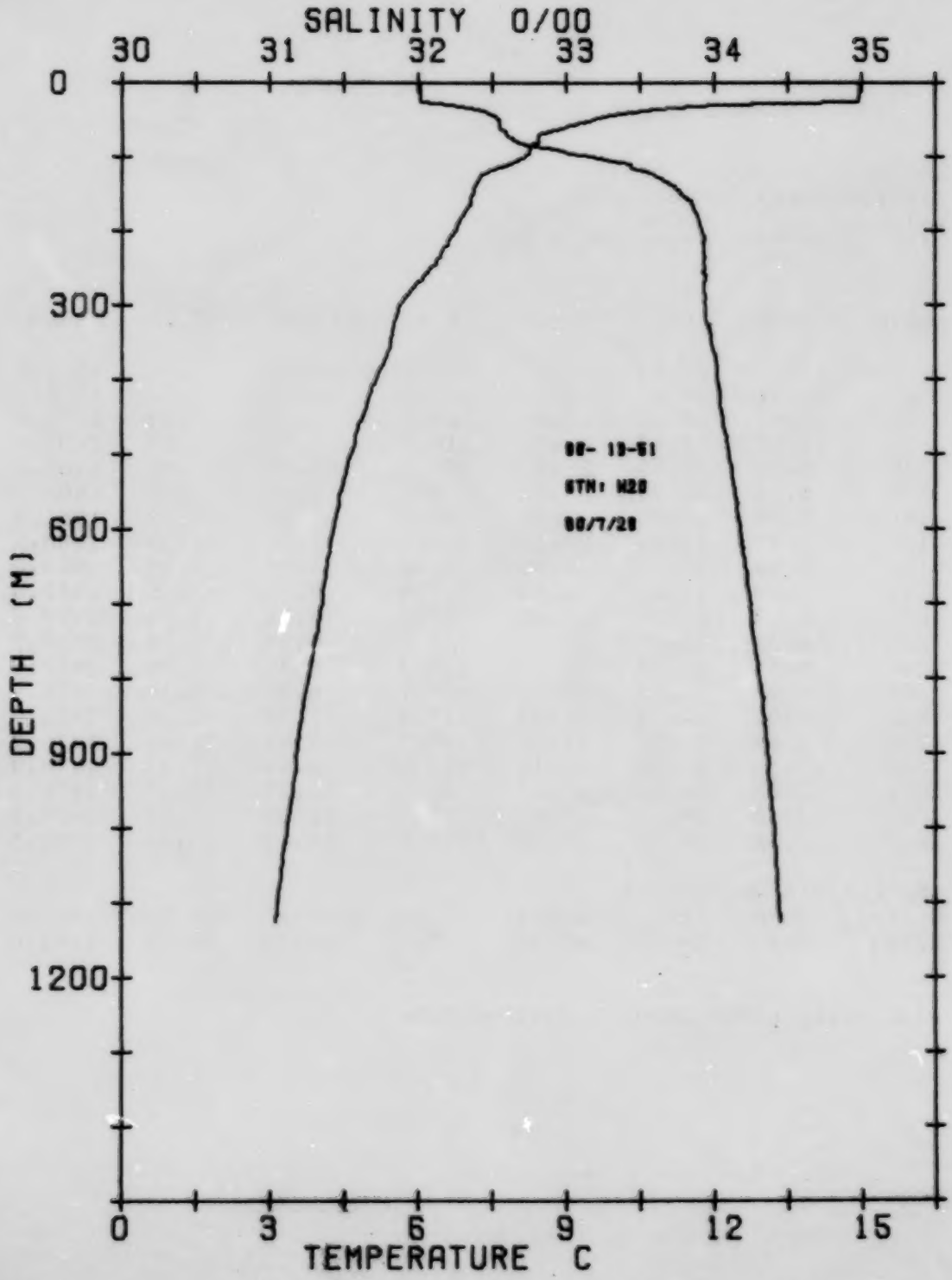
CRUISE : C.O.D.E. 80-13.
STATION: W19 CONS #050
LAT N 48 48.0 LONG W 127 37.5
DATE 80/07/28 TIME (PST) 0528

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.60	32.13	23.65	425.0	.00	.00	1505.8
10	15.61	32.13	23.65	425.2	.42	.02	1506.0
20	15.57	32.13	23.66	424.8	.85	.09	1506.0
30	11.05	32.47	24.82	314.5	1.21	.17	1491.4
50	9.25	32.59	25.22	276.7	1.81	.41	1485.4
75	8.24	32.75	25.50	250.5	2.47	.82	1482.1
100	7.77	33.29	25.99	204.3	3.04	1.32	1481.4
125	7.41	33.59	26.28	177.1	3.52	1.86	1480.9
150	7.08	33.77	26.46	160.2	3.94	2.43	1480.2
175	6.89	33.87	26.57	150.5	4.33	3.06	1480.0
200	6.67	33.90	26.62	145.2	4.70	3.76	1479.6
225	6.33	33.93	26.69	138.9	5.05	4.51	1478.7
250	6.04	33.93	26.73	135.9	5.39	5.32	1477.9
300	5.60	33.95	26.80	129.7	6.06	7.14	1476.9
400	4.92	34.01	26.93	117.8	7.30	11.49	1475.9
500	4.68	34.10	27.02	109.7	8.44	16.61	1476.7
600	4.33	34.18	27.12	100.5	9.49	22.37	1476.9
800	3.83	34.30	27.27	87.5	11.37	35.47	1478.3
1000	3.36	34.41	27.40	75.9	12.99	50.08	1479.7
1200	2.92	34.48	27.50	66.8	14.43	65.82	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1255.1	2.82	34.49	27.52	65.0	14.79	70.29	1481.8

WIND MIXED LAYER DEPTH = 20.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN: H20
0
3
6
9
12
15
TEMPERATURE C

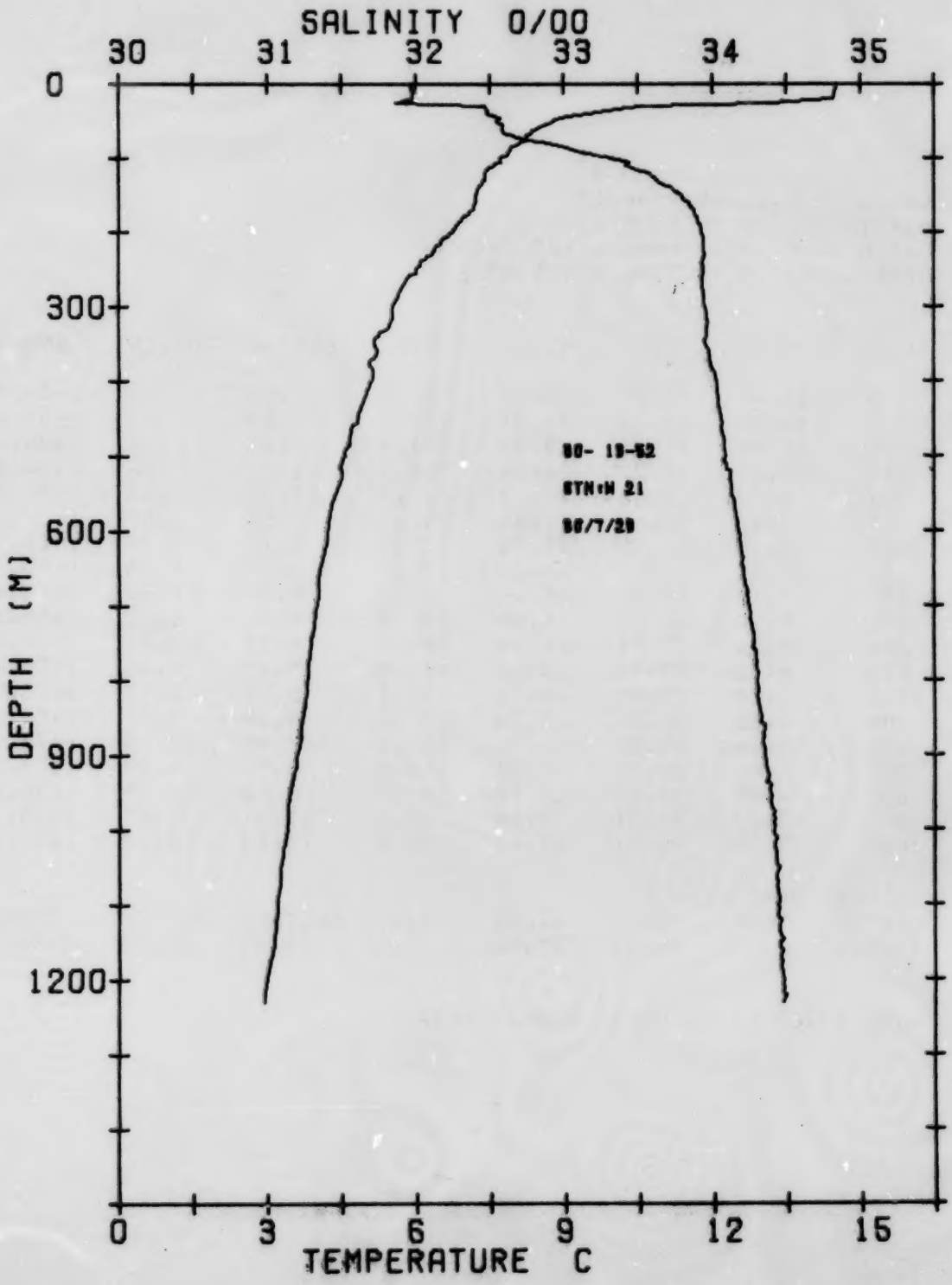
CRUISE : C.O.D.E. 80-13.
STATION: W20 CONS #051
LAT N 48 53.5 LONG W 127 29.0
DATE 80/07/28 TIME (PST) 0721

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.98	32.02	23.70	420.1	.00	.00	1503.7
10	14.98	32.02	23.71	420.2	.42	.02	1503.8
20	14.98	32.01	23.70	420.9	.84	.08	1504.0
30	12.10	32.22	24.44	350.5	1.24	.18	1494.8
50	9.58	32.55	25.13	284.9	1.86	.43	1486.5
75	8.44	32.64	25.38	261.5	2.54	.85	1482.8
100	8.19	33.19	25.85	217.4	3.15	1.38	1482.9
125	7.31	33.60	26.30	174.9	3.63	1.93	1480.5
150	7.13	33.78	26.46	159.9	4.05	2.50	1480.4
175	6.96	33.88	26.56	150.6	4.44	3.12	1480.3
200	6.78	33.92	26.62	145.5	4.81	3.82	1480.0
225	6.52	33.93	26.66	141.6	5.16	4.58	1479.4
250	6.28	33.94	26.70	138.1	5.51	5.41	1478.9
300	5.65	33.94	26.78	130.8	6.19	7.26	1477.1
400	5.16	34.02	26.91	119.8	7.44	11.65	1476.9
500	4.65	34.10	27.02	109.5	8.59	16.79	1476.5
600	4.29	34.17	27.12	100.9	9.64	22.54	1476.8
800	3.78	34.31	27.28	86.5	11.51	35.60	1478.1
1000	3.36	34.41	27.40	75.9	13.13	50.13	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1125.2	3.12	34.45	27.46	70.9	14.04	59.88	1480.8

WIND MIXED LAYER DEPTH = 24.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:N 21
0
3
6
9
12
15
TEMPERATURE C

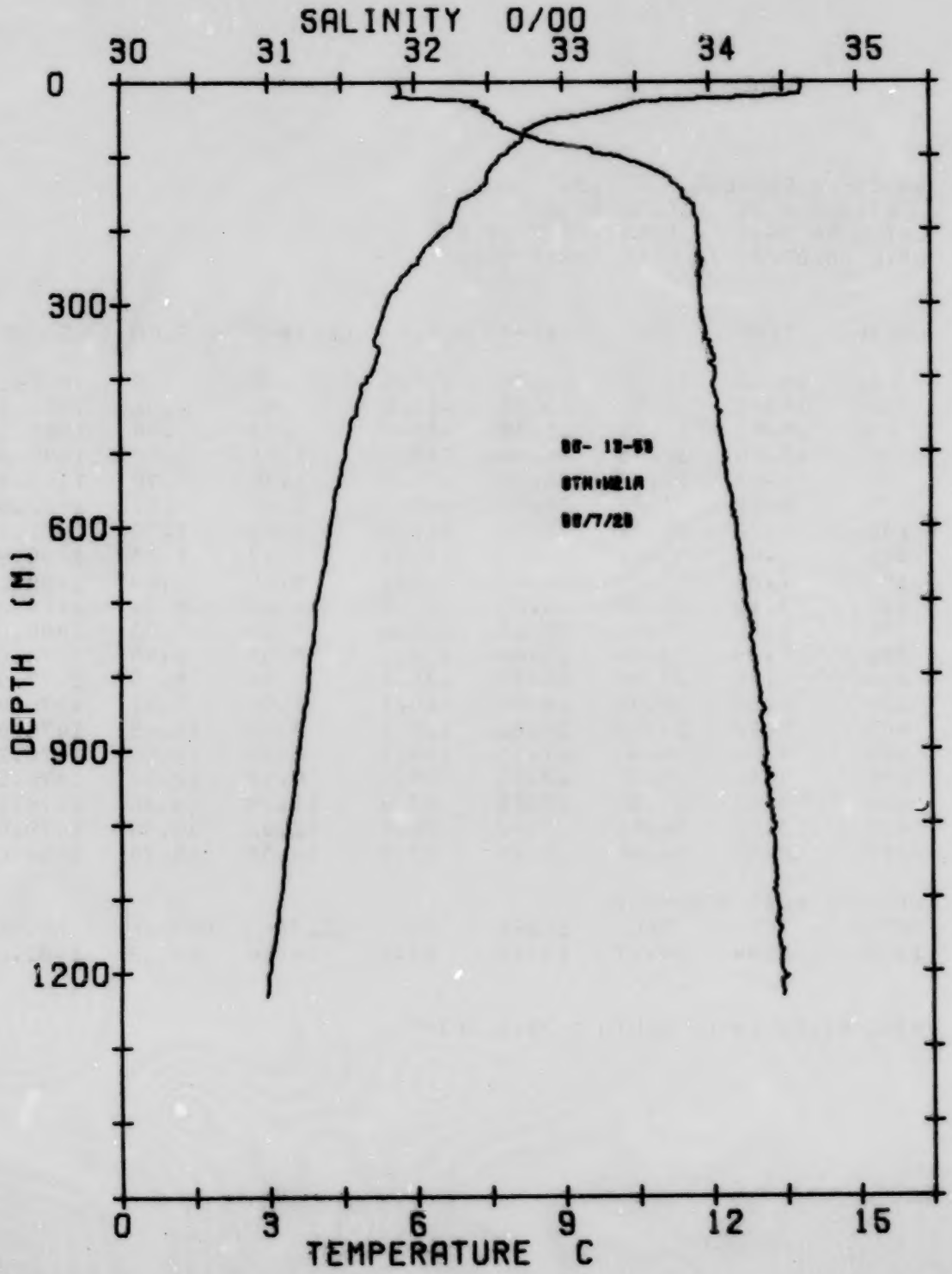
CRUISE : C.O.D.E. 80-13.
STATION: W 21 CONS #052
LAT N 48 59.0 LONG W 127 19.5
DATE 80/07/28 TIME (PST) 0900

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.52	31.97	23.76	414.5	.00	.00	1502.1
10	14.50	31.98	23.77	413.8	.41	.02	1502.3
20	14.47	31.98	23.78	413.0	.83	.08	1502.3
30	10.65	32.45	24.88	309.0	1.21	.18	1490.0
50	8.82	32.55	25.25	273.5	1.78	.40	1483.7
75	8.21	32.75	25.50	250.0	2.44	.81	1482.0
100	7.72	33.32	26.02	201.3	3.00	1.30	1481.3
125	7.42	33.61	26.29	176.0	3.47	1.83	1480.9
150	7.22	33.79	26.46	160.1	3.89	2.40	1480.8
175	7.10	33.88	26.55	151.9	4.28	3.04	1480.8
200	6.76	33.93	26.63	144.6	4.65	3.73	1480.0
225	6.39	33.94	26.69	138.9	5.00	4.48	1478.9
250	6.05	33.94	26.74	135.0	5.34	5.29	1477.9
300	5.56	33.95	26.80	129.1	6.00	7.11	1476.8
400	5.12	34.03	26.92	118.7	7.25	11.45	1476.8
500	4.58	34.09	27.03	109.2	8.39	16.58	1476.2
600	4.24	34.18	27.13	99.4	9.43	22.30	1476.5
800	3.82	34.30	27.28	87.2	11.29	35.26	1478.2
1000	3.41	34.41	27.40	76.0	12.92	49.90	1479.9
1200	2.99	34.48	27.49	67.9	14.36	65.74	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.3	2.94	34.47	27.49	67.8	14.56	68.22	1481.8

WIND MIXED LAYER DEPTH = 20.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

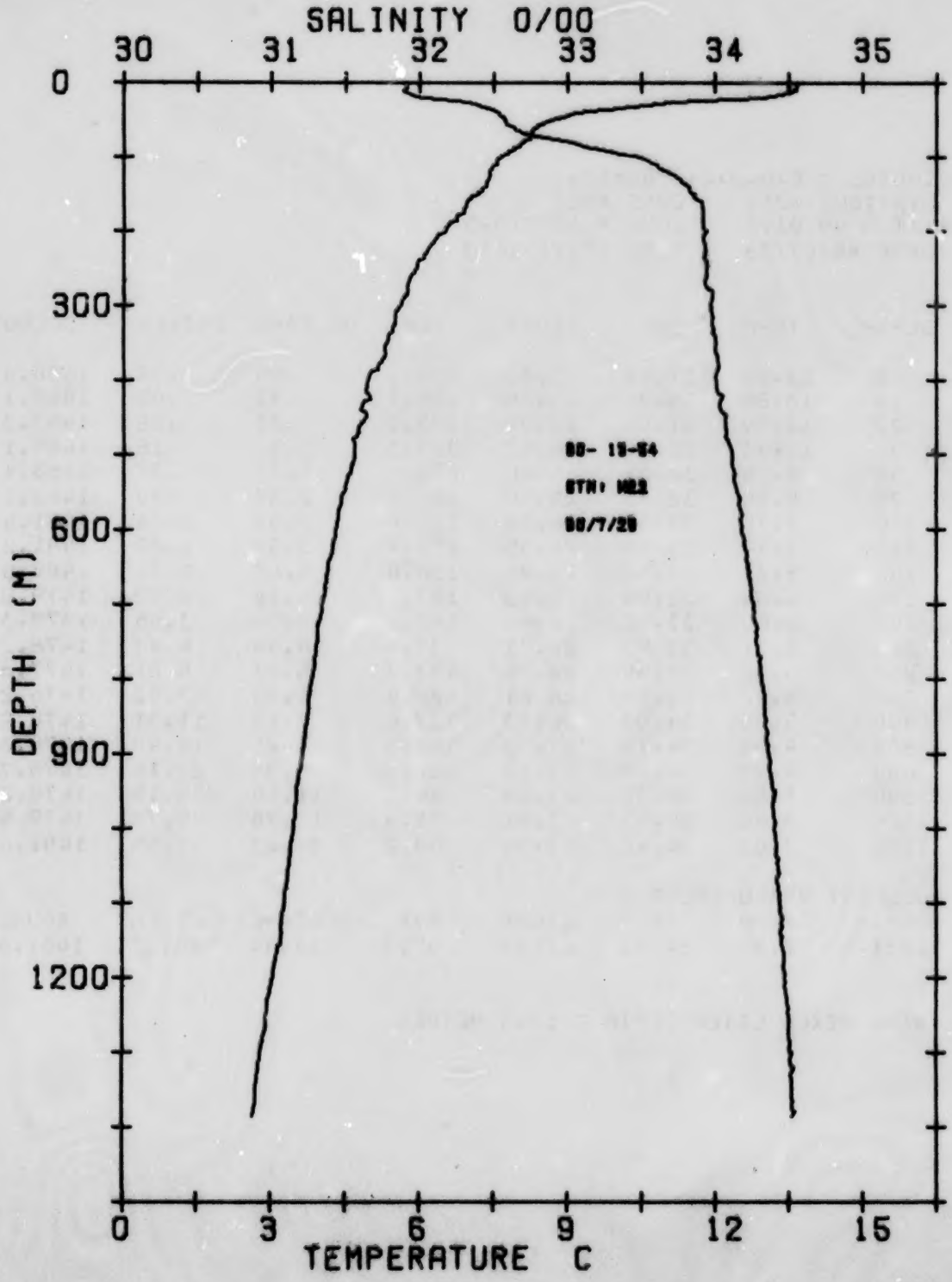
CRUISE : C.O.D.E. 80-13.
STATION: W21A CONS #053
LAT N 49 01.8 LONG W 127 15.3
DATE 80/07/28 TIME (PST) 1018

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.89	31.88	23.83	408.3	.00	.00	1500.0
10	13.88	31.91	23.85	406.7	.41	.02	1500.1
20	12.99	31.86	23.99	393.2	.81	.08	1497.3
30	10.43	32.40	24.87	309.3	1.14	.16	1489.1
50	8.76	32.55	25.26	272.6	1.73	.39	1483.4
75	8.19	32.83	25.56	244.2	2.37	.80	1482.1
100	7.75	33.37	26.06	197.6	2.93	1.28	1481.5
125	7.47	33.69	26.35	170.4	3.39	1.80	1481.2
150	7.22	33.82	26.48	158.0	3.80	2.36	1480.8
175	6.84	33.90	26.60	147.2	4.18	2.97	1479.8
200	6.60	33.92	26.65	142.8	4.54	3.66	1479.3
225	6.21	33.93	26.71	137.4	4.89	4.40	1478.2
250	5.95	33.94	26.75	133.7	5.23	5.21	1477.6
300	5.42	33.94	26.81	128.4	5.89	7.01	1476.2
400	5.00	34.03	26.93	117.6	7.12	11.31	1476.2
500	4.58	34.10	27.03	108.5	8.25	16.40	1476.3
600	4.27	34.18	27.13	100.0	9.30	22.16	1476.7
800	3.81	34.32	27.29	86.0	11.16	35.15	1478.2
1000	3.40	34.43	27.41	74.9	12.78	49.70	1479.9
1200	3.01	34.48	27.49	68.2	14.23	65.55	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1231.4	2.95	34.48	27.50	67.3	14.44	68.12	1481.9

WIND MIXED LAYER DEPTH = 15.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

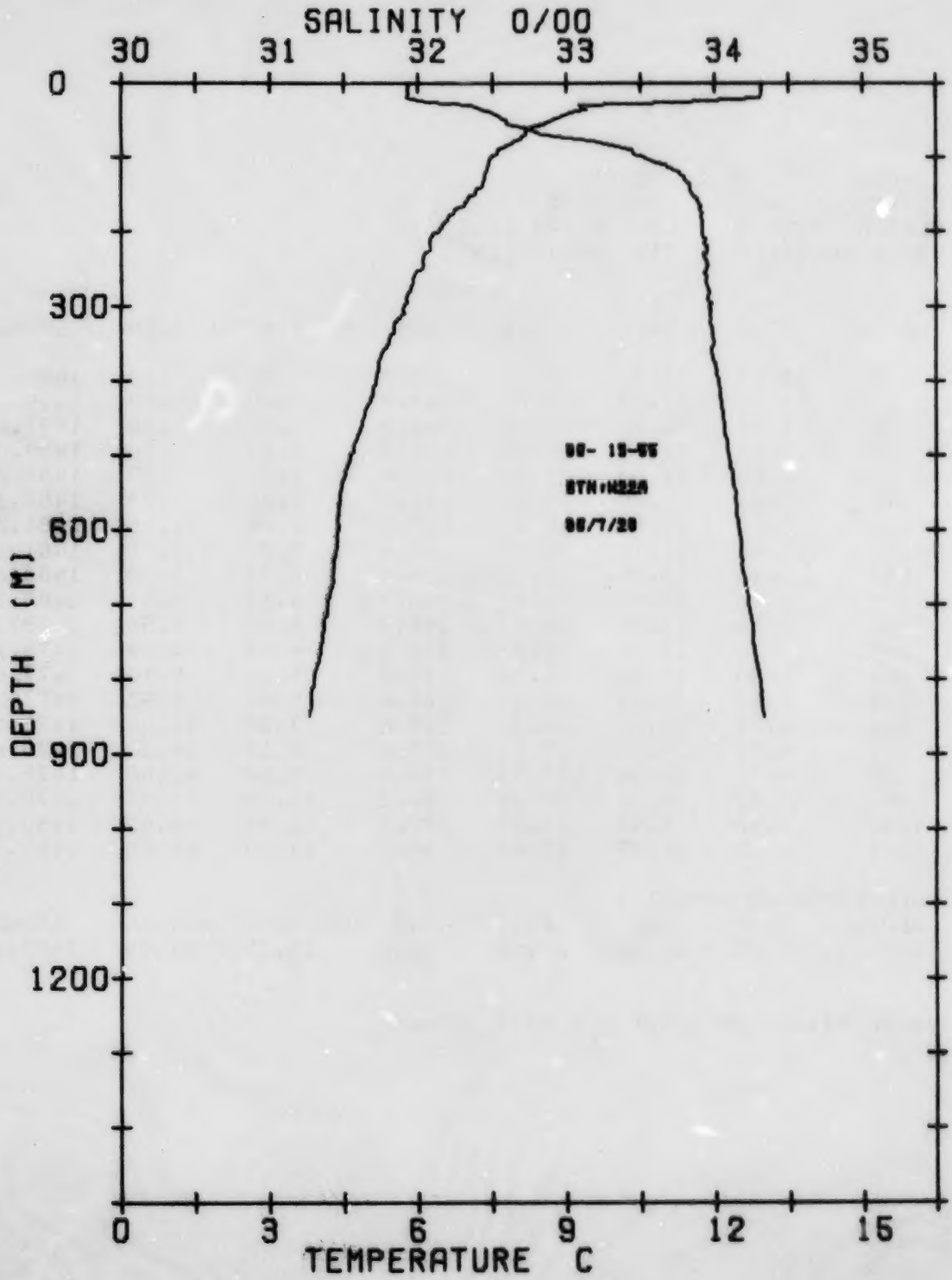
CRUISE : C.O.D.E. 80-13.
STATION: W22 CONS #054
LAT N 49 04.5 LONG W 127 11.0
DATE 80/07/28 TIME (PST) 1155

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.69	31.91	23.89	402.3	.00	.00	1499.3
10	13.65	31.89	23.88	403.7	.40	.02	1499.3
20	13.04	32.02	24.11	382.2	.80	.08	1497.6
30	10.62	32.40	24.84	312.2	1.13	.16	1489.8
50	8.68	32.58	25.30	268.8	1.70	.39	1483.2
75	8.24	32.89	25.61	239.7	2.35	.79	1482.3
100	7.64	33.50	26.17	187.1	2.88	1.25	1481.2
125	7.44	33.73	26.38	167.4	3.32	1.75	1481.1
150	7.16	33.85	26.52	154.9	3.73	2.30	1480.6
175	6.90	33.92	26.61	146.3	4.10	2.91	1480.1
200	6.54	33.94	26.67	141.0	4.46	3.58	1479.1
225	6.19	33.93	26.71	136.9	4.81	4.32	1478.1
250	5.96	33.94	26.74	134.2	5.15	5.13	1477.6
300	5.63	33.97	26.81	128.6	5.80	6.93	1477.1
400	4.97	34.01	26.92	118.8	7.03	11.24	1476.1
500	4.71	34.12	27.04	108.1	8.17	16.36	1476.8
600	4.32	34.18	27.13	100.4	9.22	22.08	1476.9
800	3.85	34.32	27.29	86.3	11.07	35.01	1478.4
1000	3.48	34.41	27.39	77.4	12.70	49.62	1480.3
1200	3.05	34.47	27.49	68.8	14.16	65.68	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1385.3	2.65	34.52	27.56	61.6	15.35	81.09	1483.2

WIND MIXED LAYER DEPTH = 14.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

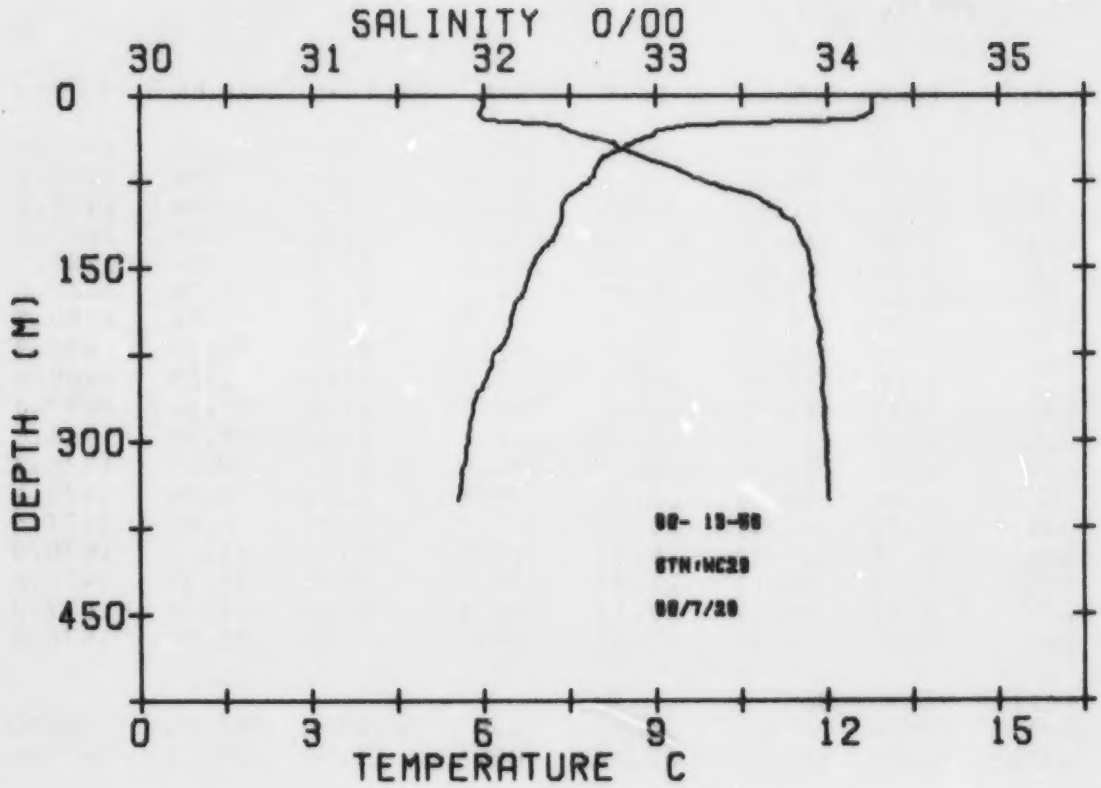
CRUISE : C.O.D.E. 80-13.
STATION: W22A CONS #055
LAT N 49 07.3 LONG W 127 06.5
DATE 80/07/28 TIME (PST) 1320

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.97	31.93	24.05	387.3	.00	.00	1497.0
10	12.97	31.93	24.05	387.5	.39	.02	1497.1
20	12.93	31.92	24.05	388.0	.78	.08	1497.1
30	9.35	32.35	25.01	295.8	1.12	.16	1485.1
50	8.75	32.59	25.30	269.0	1.69	.39	1483.5
75	8.08	33.07	25.77	224.5	2.31	.78	1482.0
100	7.50	33.53	26.22	182.5	2.81	1.21	1480.7
125	7.35	33.79	26.44	161.5	3.24	1.69	1480.9
150	7.15	33.85	26.51	155.2	3.63	2.23	1480.6
175	6.71	33.91	26.63	144.5	4.00	2.84	1479.3
200	6.41	33.92	26.67	140.6	4.36	3.50	1478.6
225	6.24	33.95	26.72	136.5	4.71	4.24	1478.3
250	6.09	33.95	26.73	135.3	5.05	5.04	1478.1
300	5.72	33.97	26.80	129.7	5.71	6.86	1477.5
400	5.17	34.03	26.91	119.6	6.95	11.22	1476.9
500	4.67	34.10	27.02	109.5	8.10	16.37	1476.6
600	4.40	34.17	27.11	102.3	9.15	22.14	1477.2
800	3.90	34.30	27.27	88.1	11.07	35.52	1478.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
850.1	3.80	34.33	27.30	85.1	11.50	39.11	1479.0

WIND MIXED LAYER DEPTH = 21.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

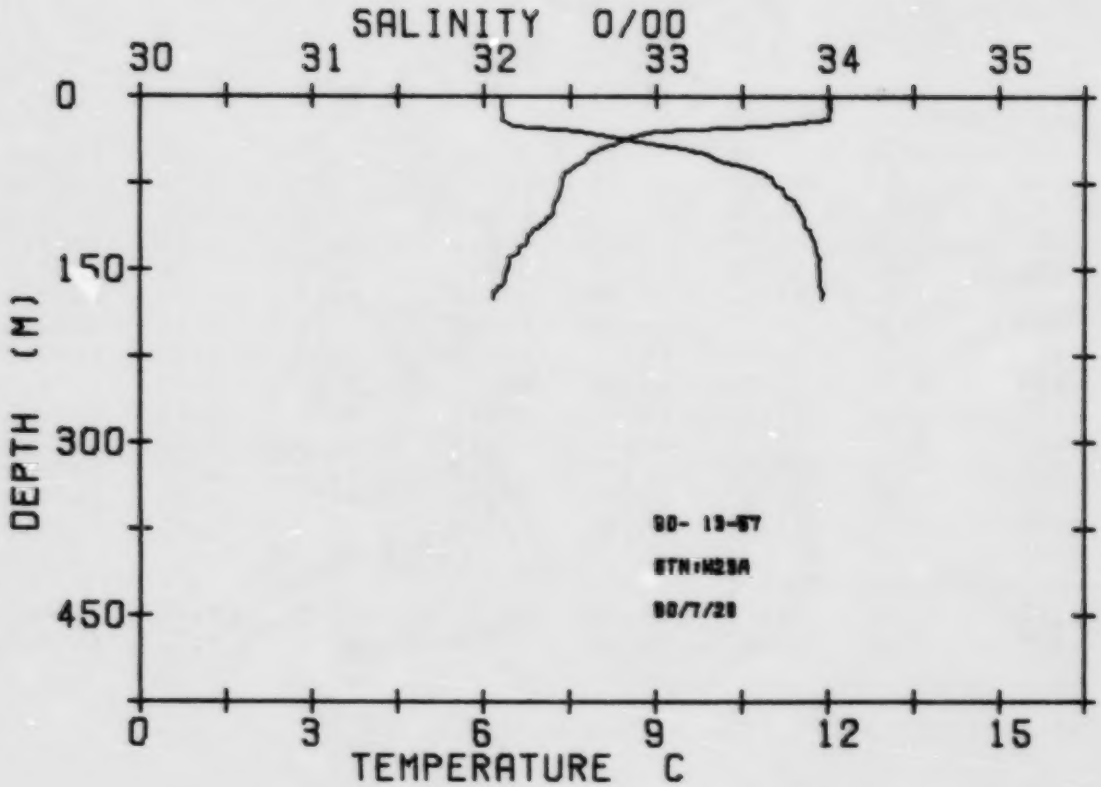
CRUISE : C.O.D.E. 80-13.
STATION: WC23 CONS #056
LAT N 49 10.0 LONG W 127 02.0
DATE 80/07/28 TIME (PST) 1440

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.78	31.98	24.12	380.6	.00	.00	1496.4
10	12.79	31.99	24.13	379.7	.38	.02	1496.6
20	12.54	32.01	24.19	373.9	.76	.08	1495.9
30	9.08	32.49	25.17	281.1	1.07	.15	1484.3
50	8.22	32.88	25.60	240.3	1.59	.36	1481.8
75	7.84	33.30	25.99	204.1	2.14	.70	1481.3
100	7.38	33.73	26.39	166.3	2.60	1.10	1480.5
125	7.20	33.85	26.51	155.2	3.00	1.55	1480.3
150	6.85	33.91	26.61	146.1	3.37	2.06	1479.5
175	6.67	33.90	26.62	144.9	3.74	2.65	1479.1
200	6.47	33.95	26.69	138.9	4.09	3.32	1478.8
225	6.19	33.96	26.73	135.0	4.43	4.05	1478.1
250	6.01	33.97	26.76	132.6	4.77	4.84	1477.8
300	5.72	33.99	26.82	127.8	5.42	6.62	1477.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
350.6	5.56	34.01	26.85	125.4	6.06	8.71	1477.7

WIND MIXED LAYER DEPTH = 19.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 19-67
STN:H23A
90/7/28
0
3
6
9
12
15
TEMPERATURE C

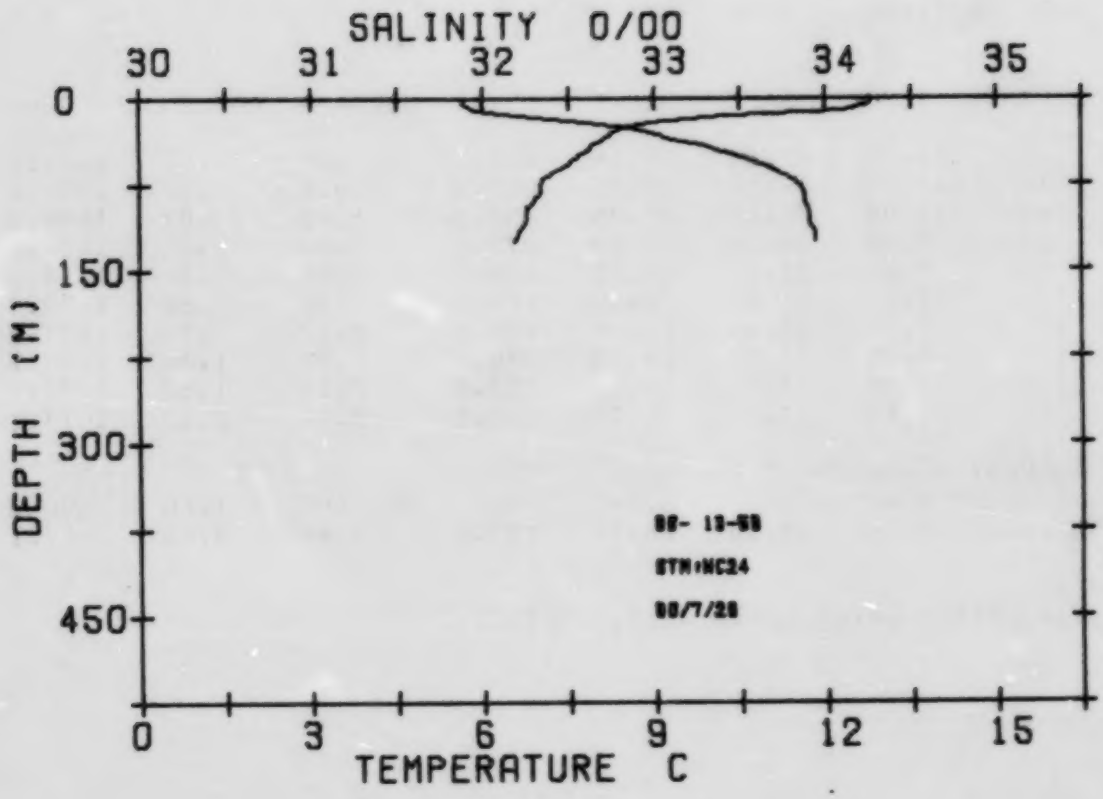
CRUISE : C.O.D.E. 80-13.
STATION: W23A CONS #057
LAT N 49 12.8 LONG W 126 57.5
DATE 80/07/28 TIME (PST) 1550

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.05	32.10	24.35	358.3	.00	.00	1494.0
10	12.04	32.10	24.35	358.5	.36	.02	1494.1
20	12.04	32.10	24.35	358.6	.72	.07	1494.3
30	8.98	32.55	25.23	275.3	1.04	.15	1484.0
50	7.84	33.29	25.98	204.1	1.51	.34	1480.9
75	7.34	33.69	26.37	168.0	1.97	.62	1479.9
100	7.19	33.84	26.50	155.5	2.37	.97	1479.9
125	6.75	33.92	26.63	144.0	2.75	1.39	1478.7
150	6.39	33.95	26.70	137.6	3.10	1.87	1477.7
175	6.14	33.96	26.74	133.5	3.44	2.43	1477.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.2	6.14	33.96	26.74	133.5	3.44	2.43	1477.1

WIND MIXED LAYER DEPTH = 19.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

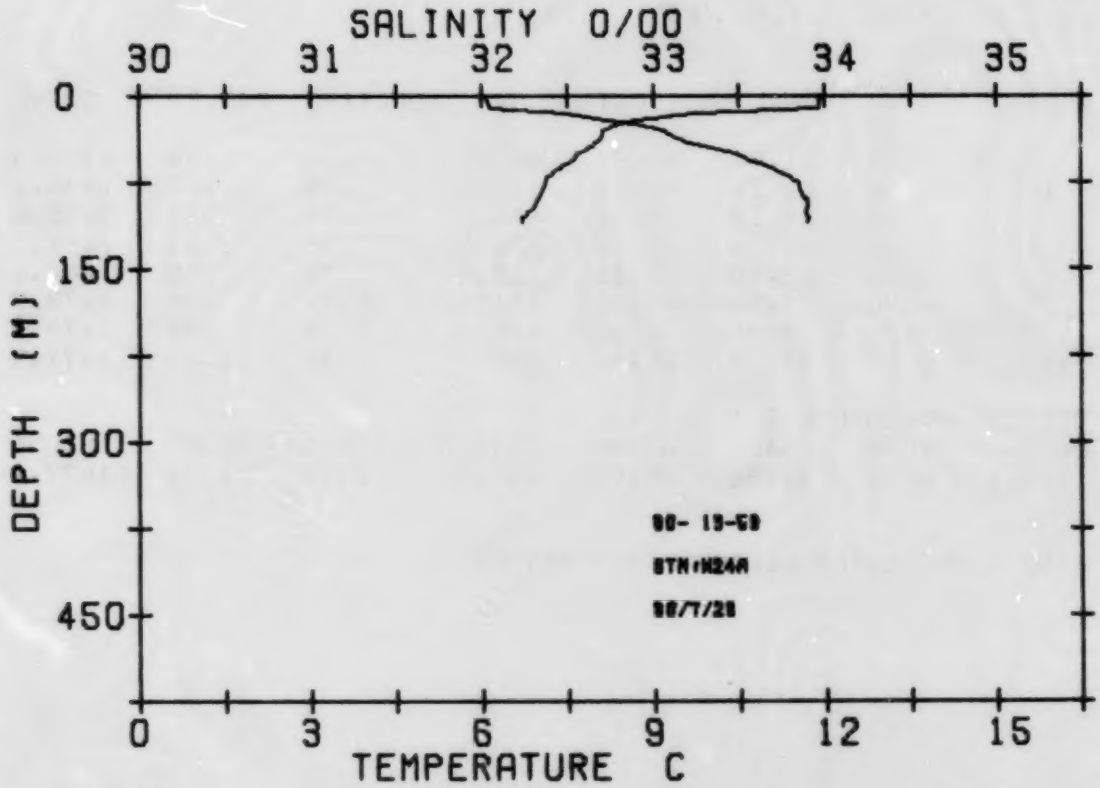
CRUISE : C.O.D.E. 80-13.
STATION: WC24 CONS #058
LAT N 49 15.5 LONG W 126 53.0
DATE 80/07/28 TIME (PST) 1633

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.79	31.88	24.04	387.9	.00	.00	1496.3
10	12.38	31.95	24.17	375.7	.38	.02	1495.1
20	8.98	32.57	25.24	273.7	.71	.07	1483.8
30	8.24	32.99	25.68	232.2	.96	.13	1481.7
50	7.69	33.48	26.15	188.4	1.38	.29	1480.6
75	6.98	33.85	26.54	151.3	1.79	.55	1478.7
100	6.76	33.91	26.62	144.4	2.16	.88	1478.3
125	6.55	33.94	26.67	140.0	2.52	1.28	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.1	6.55	33.94	26.67	140.0	2.52	1.28	1477.9

WIND MIXED LAYER DEPTH = 9.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

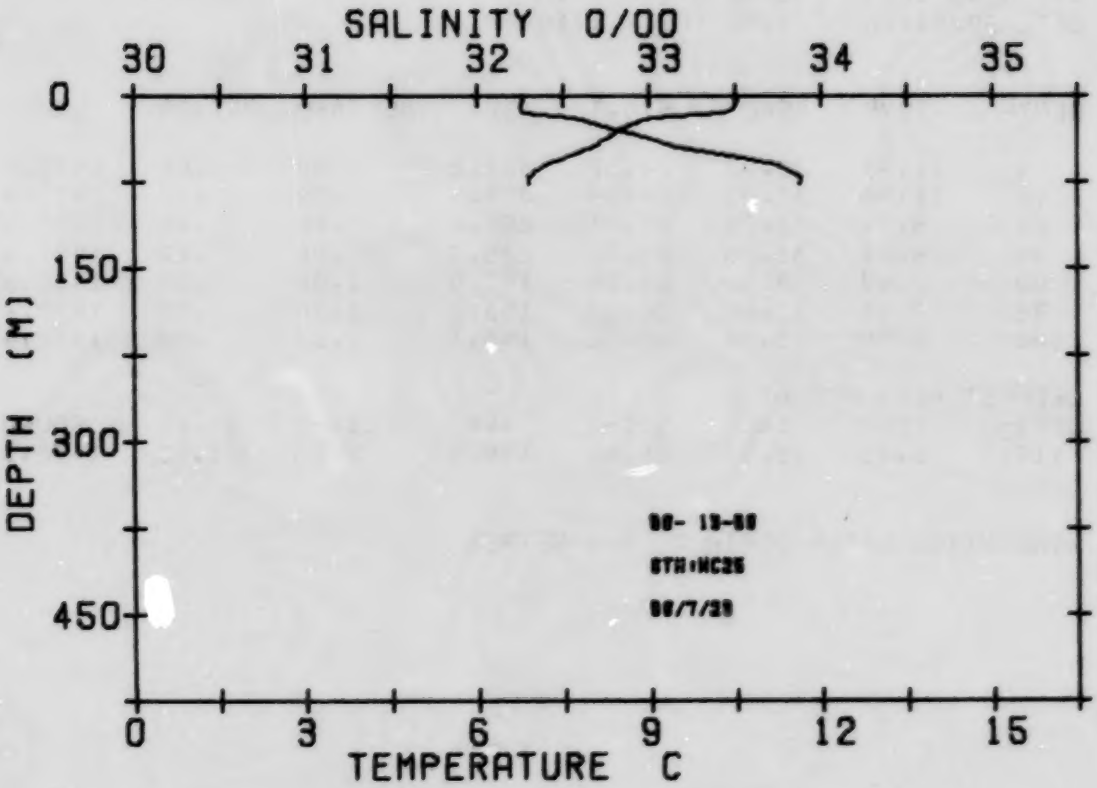
CRUISE : C.O.D.E. 80-13.
STATION: W24A CONS #059
LAT N 49 18.3 LONG W 126 48.8
DATE 80/07/28 TIME (PST) 1718

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.91	32.02	24.32	361.2	.00	.00	1493.4
10	11.90	32.05	24.34	359.4	.36	.02	1493.6
20	8.74	32.73	25.41	258.4	.66	.06	1483.1
30	8.14	33.06	25.76	225.3	.90	.12	1481.4
50	7.69	33.49	26.16	187.5	1.32	.29	1480.6
75	7.12	33.85	26.52	153.2	1.74	.55	1479.2
100	6.80	33.90	26.60	146.1	2.12	.88	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
110.2	6.73	33.90	26.61	144.9	2.26	1.03	1478.3

WIND MIXED LAYER DEPTH = 9.1 METRES

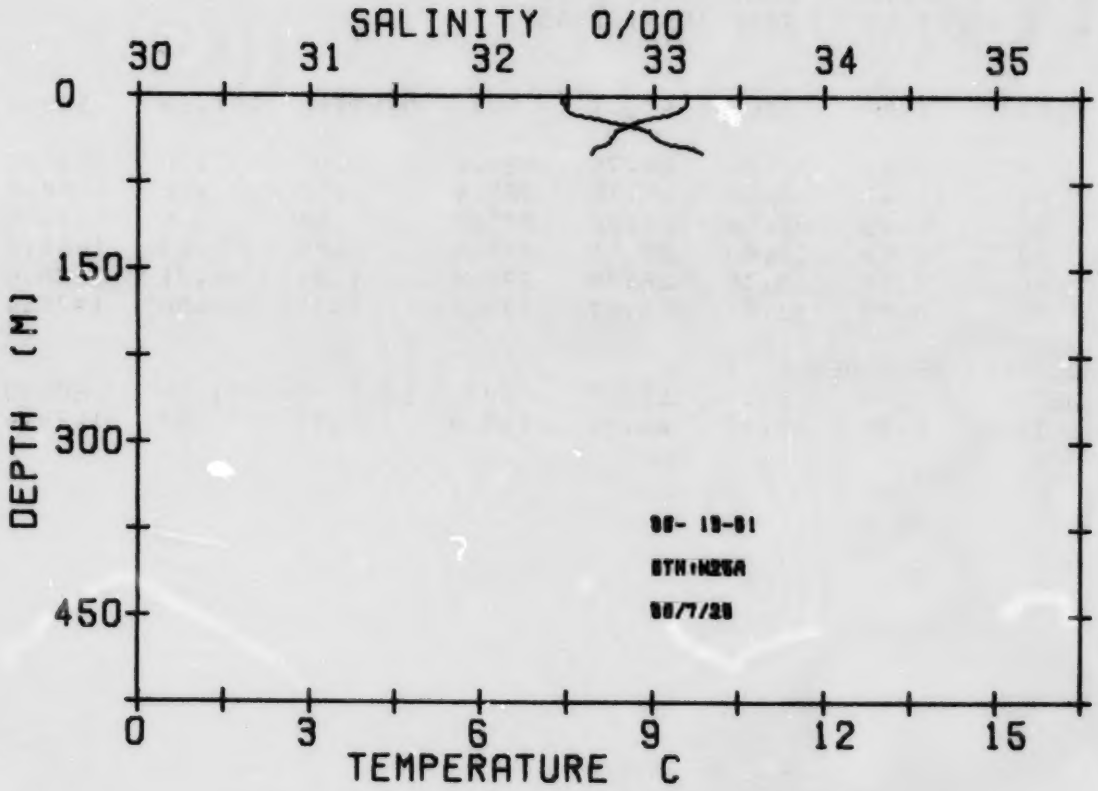

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: WC25 CONS #060
LAT N 49 21.5 LONG W 126 44.5
DATE 80/07/28 TIME (PST) 1803

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.53	32.26	24.75	320.2	.00	.00	1488.8
10	10.47	32.25	24.75	320.4	.32	.02	1488.8
20	9.05	32.56	25.22	275.7	.63	.06	1484.1
30	8.43	32.80	25.51	248.5	.89	.13	1482.2
50	7.75	33.36	26.05	197.8	1.34	.31	1480.6
75	6.89	33.88	26.57	148.1	1.75	.56	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
76.0	6.89	33.87	26.57	148.6	1.76	.57	1478.4

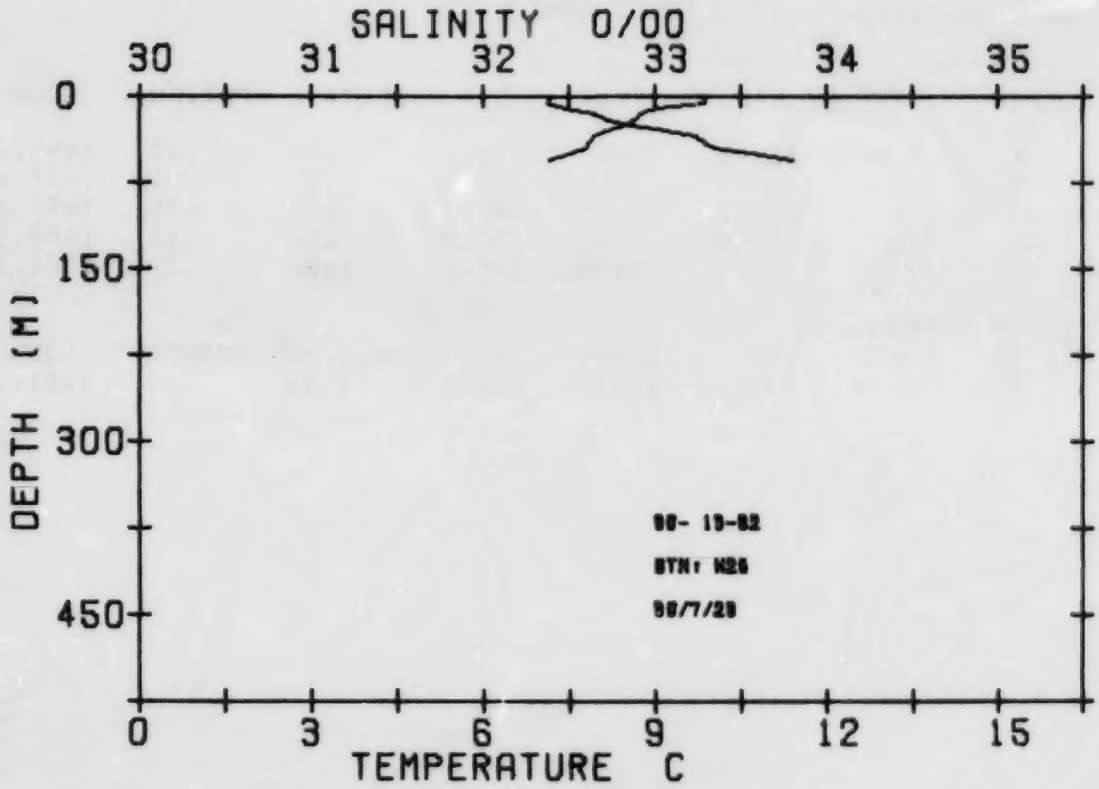

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: W25A CONS #061
LAT N 49 23.0 LONG W 126 40.0
DATE 80/07/28 TIME (PST) 1924

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.58	32.46	25.07	290.2	.00	.00	1485.6
10	9.49	32.49	25.10	287.4	.29	.01	1485.4
20	8.76	32.71	25.39	260.0	.57	.06	1483.2
30	8.34	32.96	25.65	235.3	.81	.12	1482.1
50	7.89	33.28	25.96	206.1	1.26	.29	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
50.0	7.89	33.28	25.96	206.1	1.26	.29	1481.1

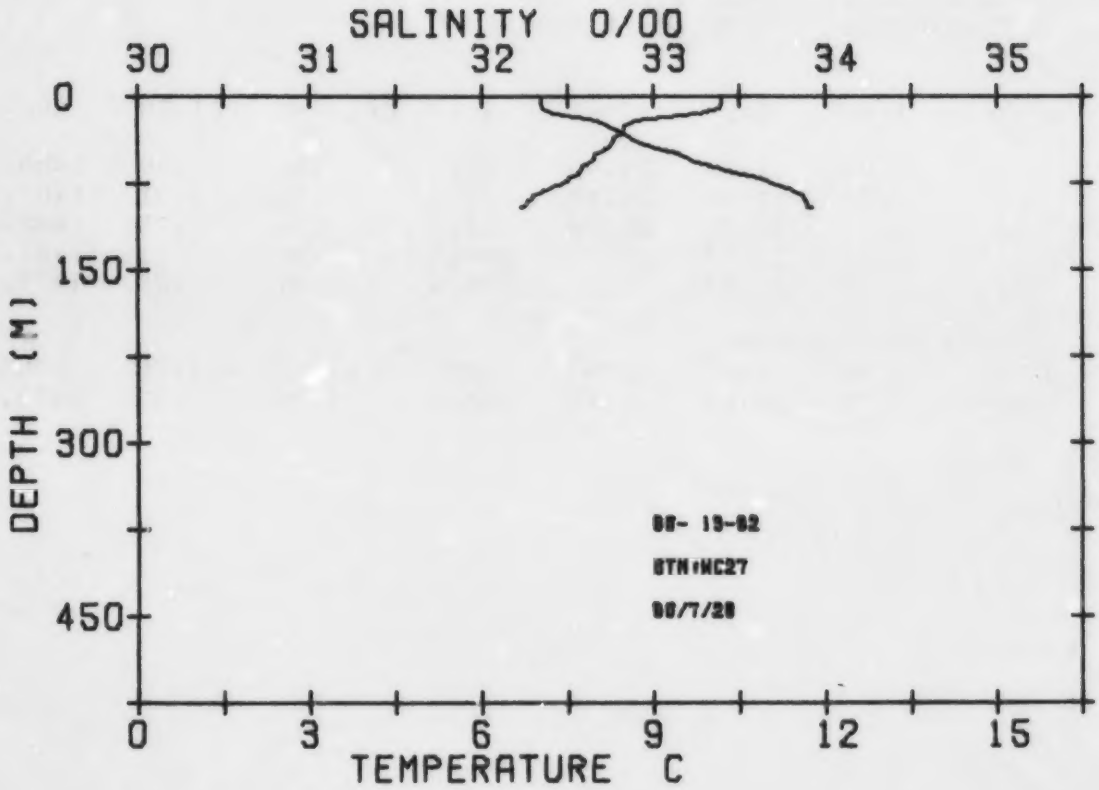

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: W26 CONS #062
LAT N 49 30.5 LONG W 126 51.5
DATE 80/07/28 TIME (PST) 2108

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.86	32.39	24.96	300.5	.00	.00	1486.5
10	9.00	32.48	25.17	280.4	.30	.01	1483.6
20	8.62	32.72	25.42	257.1	.56	.05	1482.6
30	8.13	33.07	25.76	224.4	.81	.11	1481.4
50	7.45	33.61	26.29	174.9	1.21	.28	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
55.1	7.13	33.80	26.48	156.9	1.30	.32	1478.9


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 13-82
STN:HC27
88/7/28
0
3
6
9
12
15
TEMPERATURE C

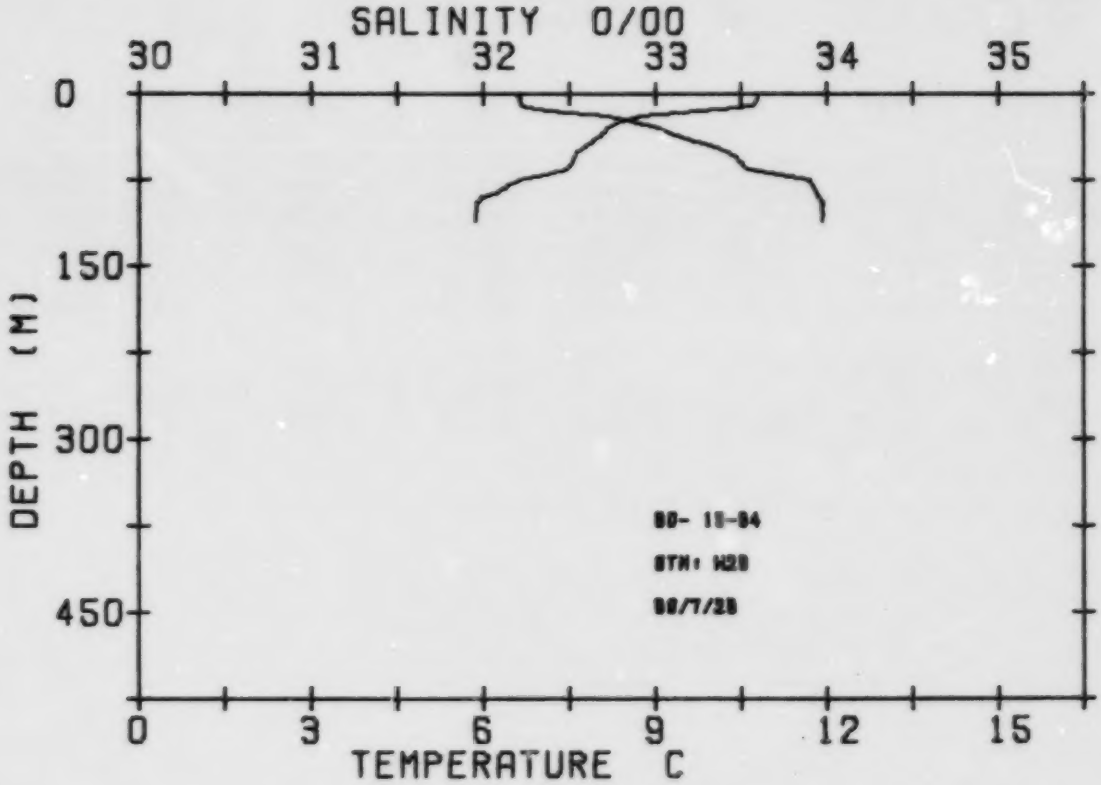
CRUISE : C.O.D.E. 80-13.
STATION: WC27 CONS #062
LAT N 49 36.0 LONG W 127 01.0
DATE 80/07/28 TIME (PST) 2108

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.16	32.35	24.88	308.0	.00	.00	1487.6
10	10.15	32.35	24.88	308.1	.31	.02	1487.7
20	8.73	32.66	25.35	263.4	.60	.06	1483.0
30	8.47	32.79	25.50	250.0	.86	.12	1482.3
50	7.99	33.15	25.85	216.8	1.33	.31	1481.3
75	7.40	33.69	26.35	169.2	1.81	.61	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
96.3	6.65	33.92	26.64	142.2	2.14	.89	1477.8

WIND MIXED LAYER DEPTH = 13.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

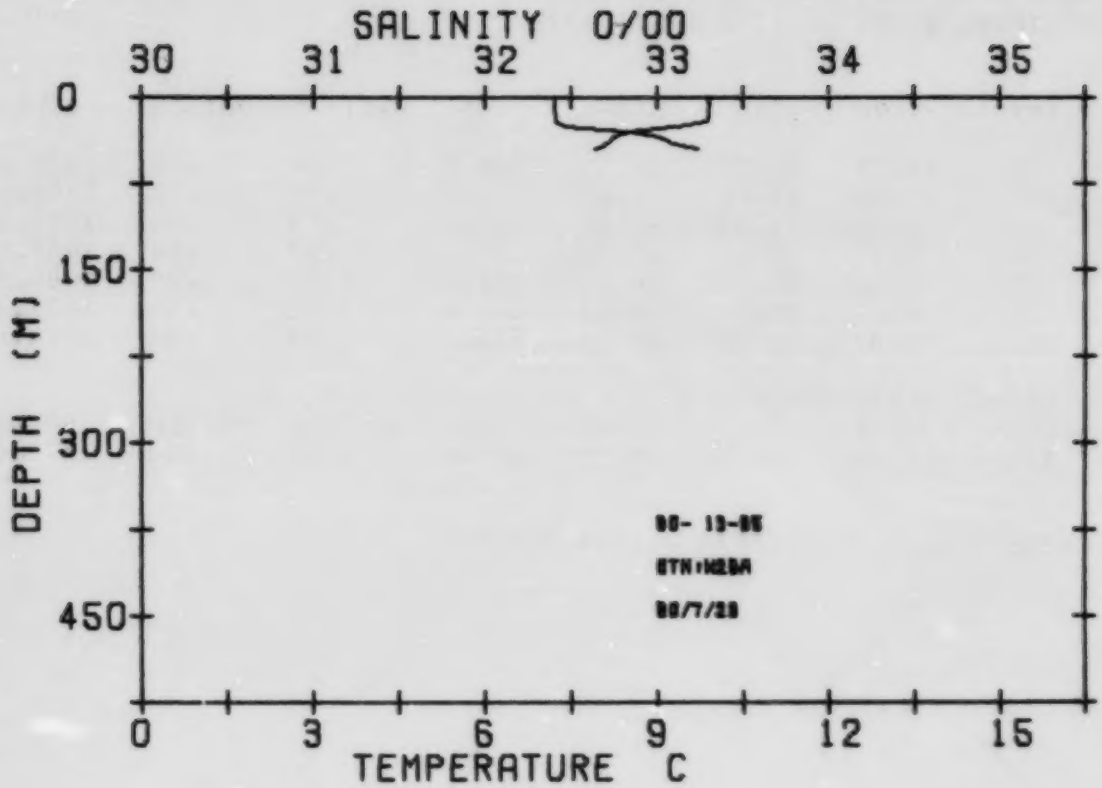
CRUISE : C.O.D.E. 80-13.
STATION: W28 CONS #064
LAT N 49 40.5 LONG W 127 11.0
DATE 80/07/28 TIME (PST) 2322

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.77	32.21	24.67	328.4	.00	.00	1489.6
10	10.72	32.22	24.69	326.6	.33	.02	1489.6
20	8.71	32.73	25.41	258.0	.63	.06	1483.0
30	8.17	33.02	25.72	229.0	.87	.12	1481.5
50	7.64	33.42	26.11	191.9	1.29	.29	1480.3
75	6.60	33.91	26.63	142.4	1.73	.56	1477.3
100	5.87	33.97	26.78	128.7	2.07	.85	1474.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
110.5	5.86	33.97	26.78	128.6	2.20	1.00	1475.0

WIND MIXED LAYER DEPTH = 10.4 METRES

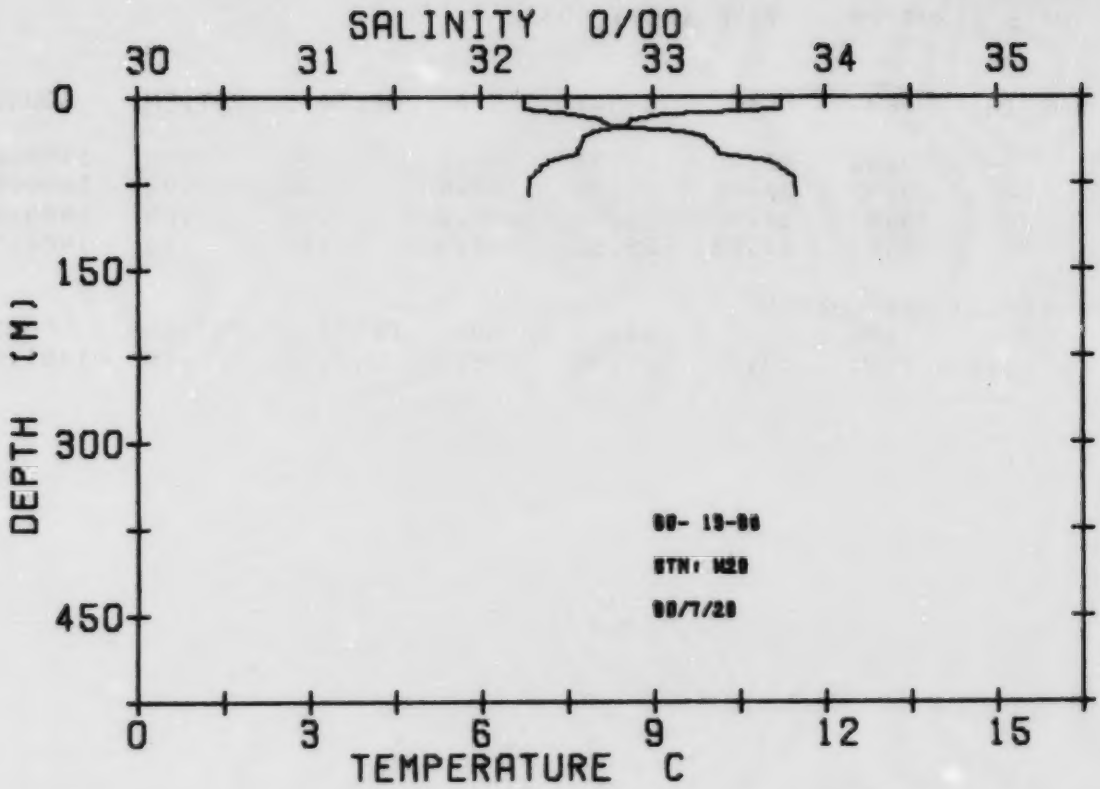

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: W28A CONS #065
LAT N 49 48.5 LONG W 127 15.0
DATE 80/07/29 TIME (PST) 0032

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.91	32.40	24.97	300.0	.00	.00	1486.8
10	9.91	32.40	24.96	300.4	.30	.02	1486.9
20	9.87	32.41	24.98	299.0	.60	.06	1486.9
30	8.51	32.83	25.52	247.9	.88	.13	1482.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
45.1	7.91	33.24	25.93	208.6	1.22	.26	1481.0


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

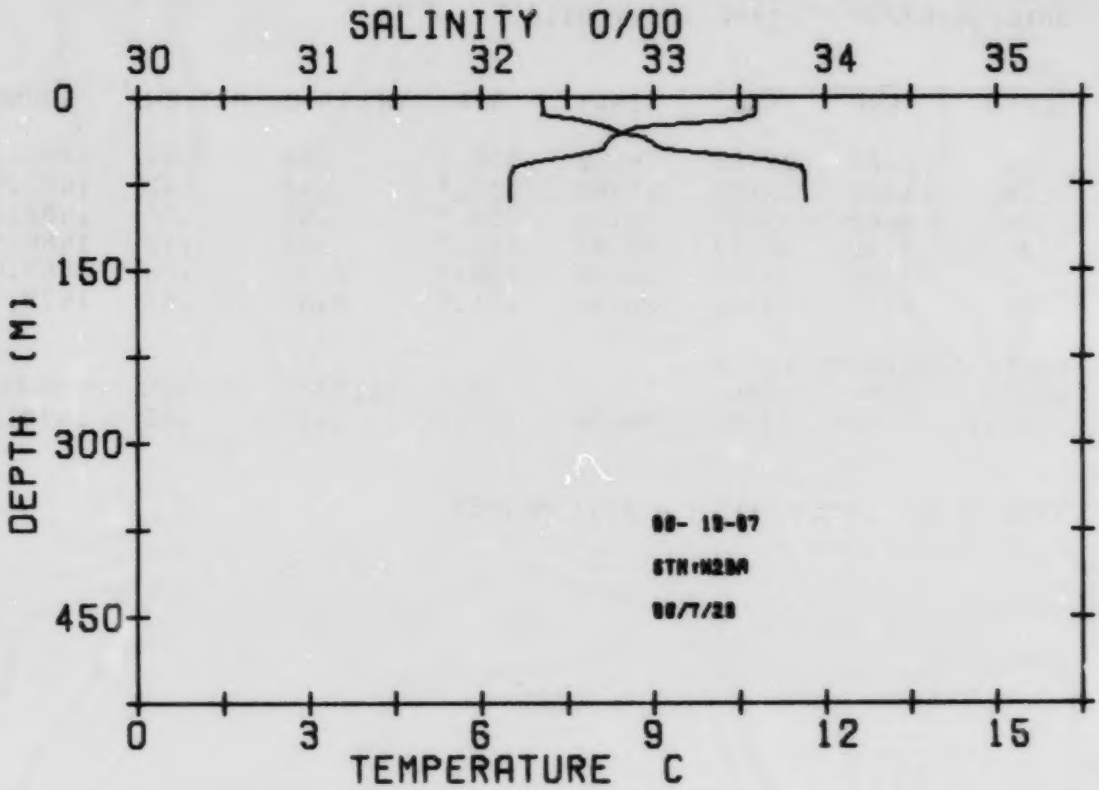
CRUISE : C.O.D.E. 80-13.
STATION: W29 CONS #066
LAT N 49 46.0 LONG W 127 20.0
DATE 80/07/29 TIME (PST) 0110

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.23	32.25	24.62	332.7	.00	.00	1491.3
10	11.23	32.25	24.62	332.7	.33	.02	1491.5
20	8.62	32.70	25.40	258.7	.62	.06	1482.6
30	7.98	33.17	25.86	215.2	.87	.12	1480.9
50	7.68	33.39	26.08	194.7	1.27	.28	1480.4
75	6.83	33.82	26.54	151.5	1.67	.53	1478.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.1	6.82	33.83	26.54	151.1	1.83	.65	1478.2

WIND MIXED LAYER DEPTH = 10.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

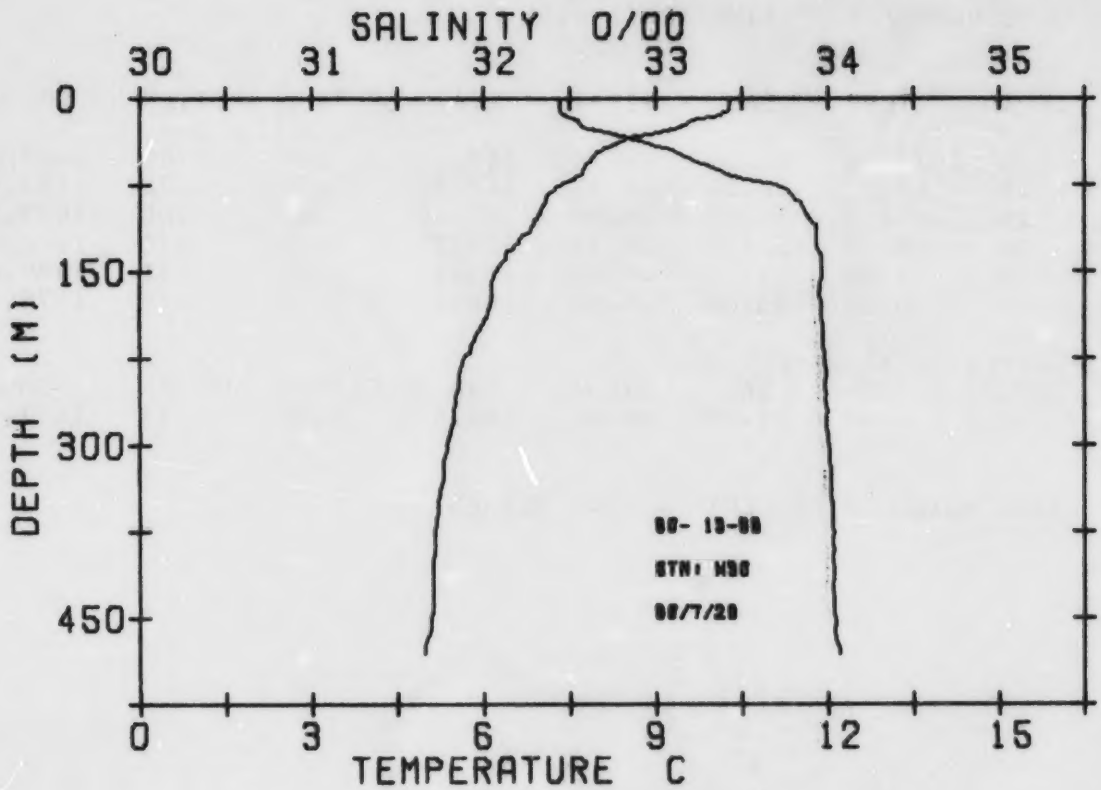
CRUISE : C.O.D.E. 80-13.
STATION: W29A CONS #067
LAT N 49 43.3 LONG W 127 24.5
DATE 80/07/29 TIME (PST) 0155

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.78	32.36	24.78	317.4	.00	.00	1489.8
10	10.78	32.36	24.78	317.7	.32	.02	1490.0
20	10.51	32.57	24.99	297.6	.63	.06	1489.5
30	8.50	32.79	25.49	250.7	.90	.13	1482.4
50	7.68	33.38	26.07	195.8	1.35	.31	1480.4
75	6.48	33.88	26.63	142.7	1.74	.55	1476.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.0	6.47	33.89	26.64	142.4	1.95	.72	1477.0

WIND MIXED LAYER DEPTH = 19.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

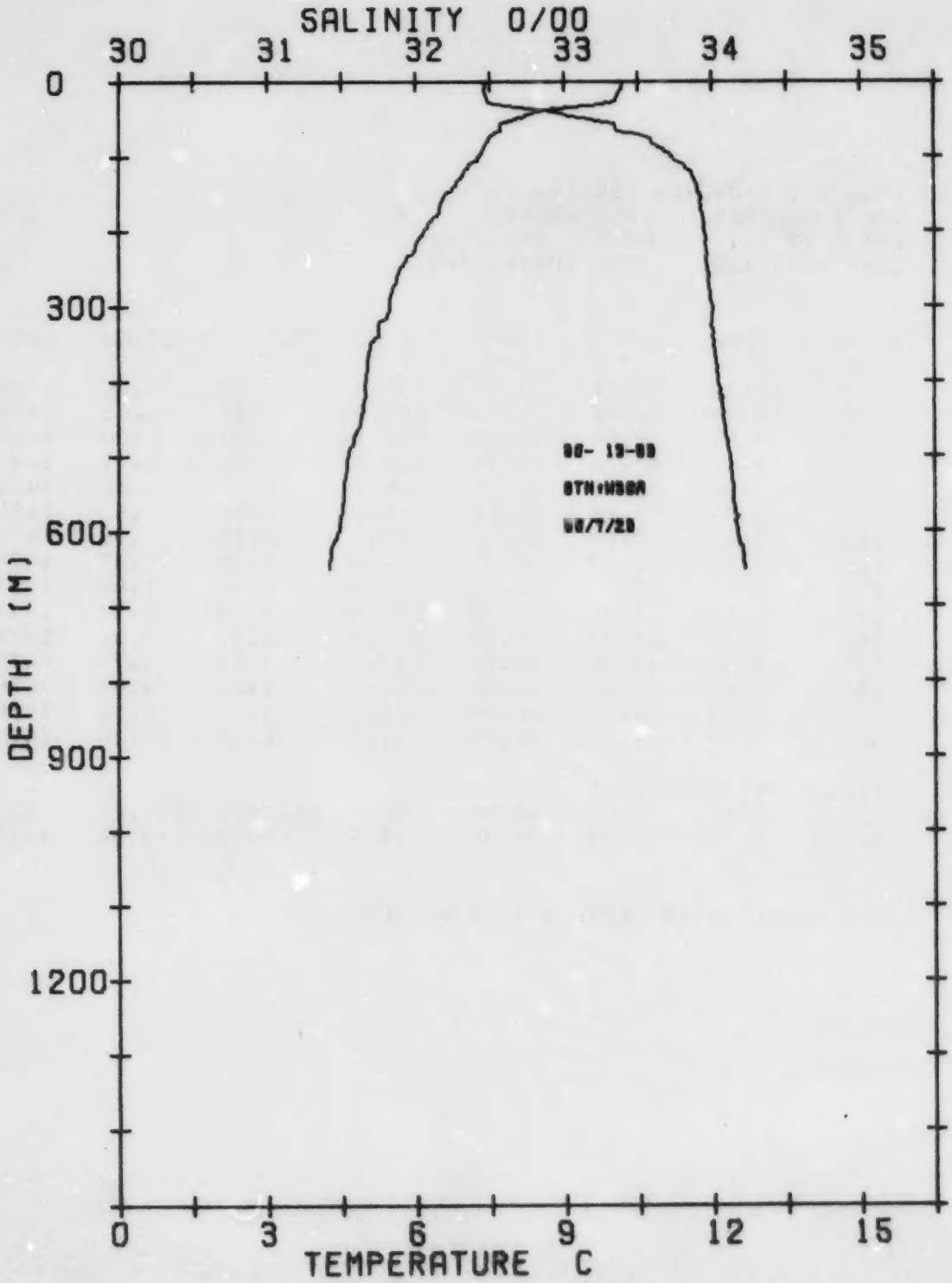
CRUISE : C.O.D.E. 80-13.
STATION: W30 CONS #068
LAT N 49 40.5 LONG W 127 29.0
DATE 80/07/29 TIME (PST) 0246

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.29	32.44	24.93	303.4	.00	.00	1488.2
10	10.26	32.44	24.94	303.0	.30	.02	1488.2
20	9.64	32.55	25.13	285.1	.60	.06	1486.2
30	9.11	32.71	25.34	265.3	.88	.13	1484.6
50	7.96	33.15	25.85	216.4	1.35	.32	1481.2
75	7.36	33.70	26.37	167.8	1.84	.62	1480.0
100	7.00	33.88	26.56	149.6	2.23	.96	1479.2
125	6.60	33.93	26.66	140.9	2.59	1.37	1478.1
150	6.26	33.96	26.72	135.2	2.94	1.84	1477.2
175	6.15	33.95	26.73	134.3	3.27	2.38	1477.1
200	5.96	33.97	26.77	131.2	3.60	3.01	1476.8
225	5.68	33.98	26.81	127.1	3.93	3.70	1476.1
250	5.57	33.98	26.82	126.3	4.24	4.45	1476.0
300	5.37	34.01	26.87	122.3	4.87	6.16	1476.1
400	5.13	34.03	26.92	119.0	6.07	10.36	1476.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
480.8	4.98	34.07	26.96	115.3	7.02	14.56	1477.5

WIND MIXED LAYER DEPTH = 12.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

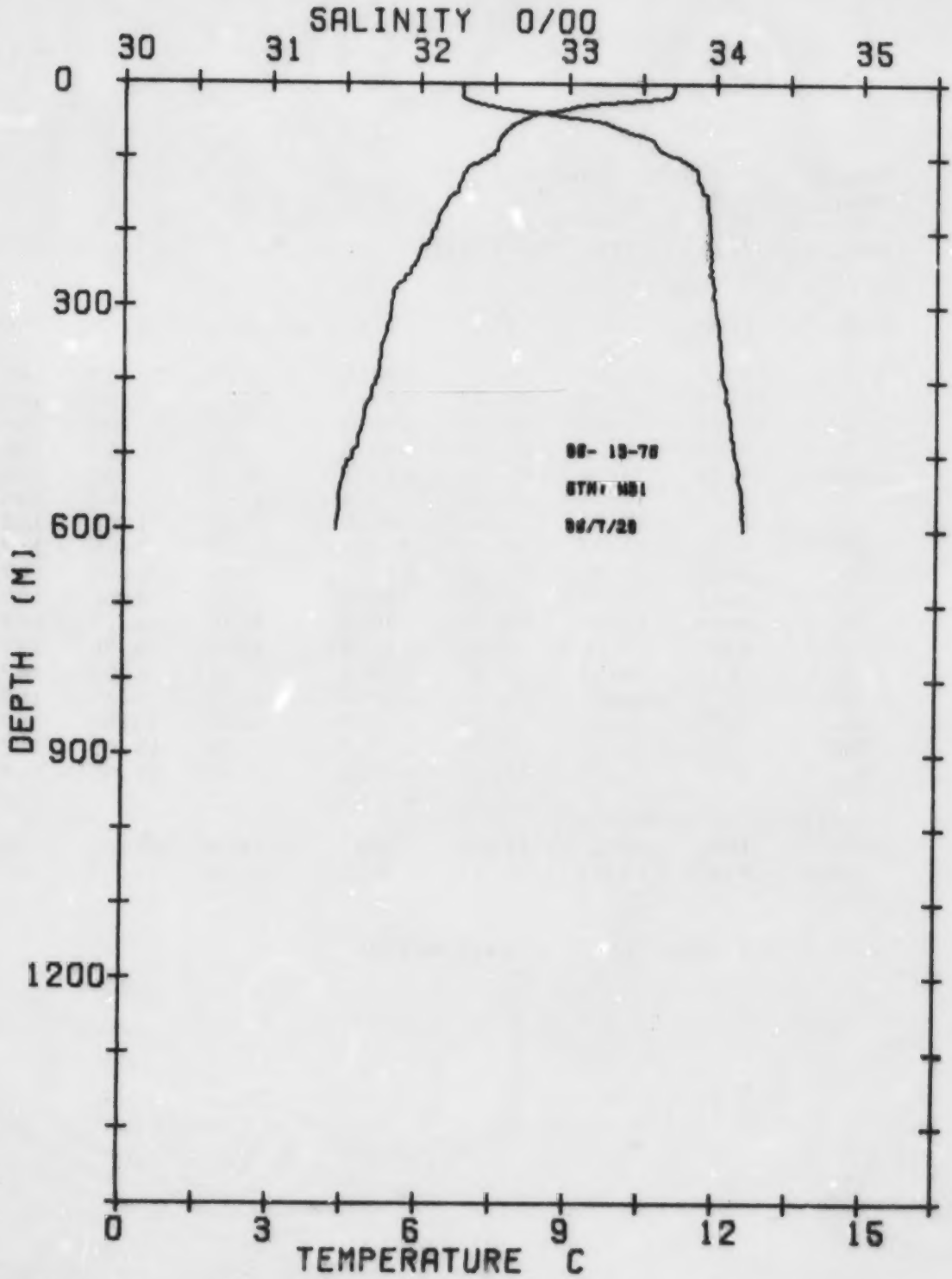
CRUISE : C.O.D.E. 80-13.
STATION: W30A CONS #069
LAT N 49 37.5 LONG W 127 33.5
DATE 80/07/29 TIME (PST) 0358

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.18	32.47	24.97	299.4	.00	.00	1487.8
10	10.17	32.46	24.97	299.7	.30	.02	1487.9
20	10.09	32.48	25.00	297.3	.60	.06	1487.8
30	9.82	32.53	25.08	289.6	.89	.13	1487.0
50	8.04	33.18	25.86	215.3	1.38	.33	1481.5
75	7.51	33.59	26.26	178.0	1.87	.63	1480.4
100	7.28	33.73	26.41	164.6	2.30	1.01	1480.1
125	6.95	33.87	26.56	150.0	2.69	1.45	1479.4
150	6.64	33.92	26.64	143.1	3.06	1.95	1478.6
175	6.47	33.94	26.68	139.8	3.41	2.52	1478.4
200	6.19	33.95	26.72	135.6	3.76	3.17	1477.7
225	5.99	33.96	26.75	132.9	4.09	3.88	1477.3
250	5.71	33.97	26.80	128.9	4.42	4.65	1476.6
300	5.49	34.01	26.85	124.0	5.05	6.39	1476.6
400	5.00	34.04	26.94	116.5	6.25	10.58	1476.3
500	4.64	34.12	27.04	108.0	7.38	15.65	1476.5
600	4.47	34.17	27.10	103.0	8.43	21.45	1477.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
650.0	4.26	34.22	27.16	97.3	8.93	24.55	1477.5

WIND MIXED LAYER DEPTH = 24.7 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

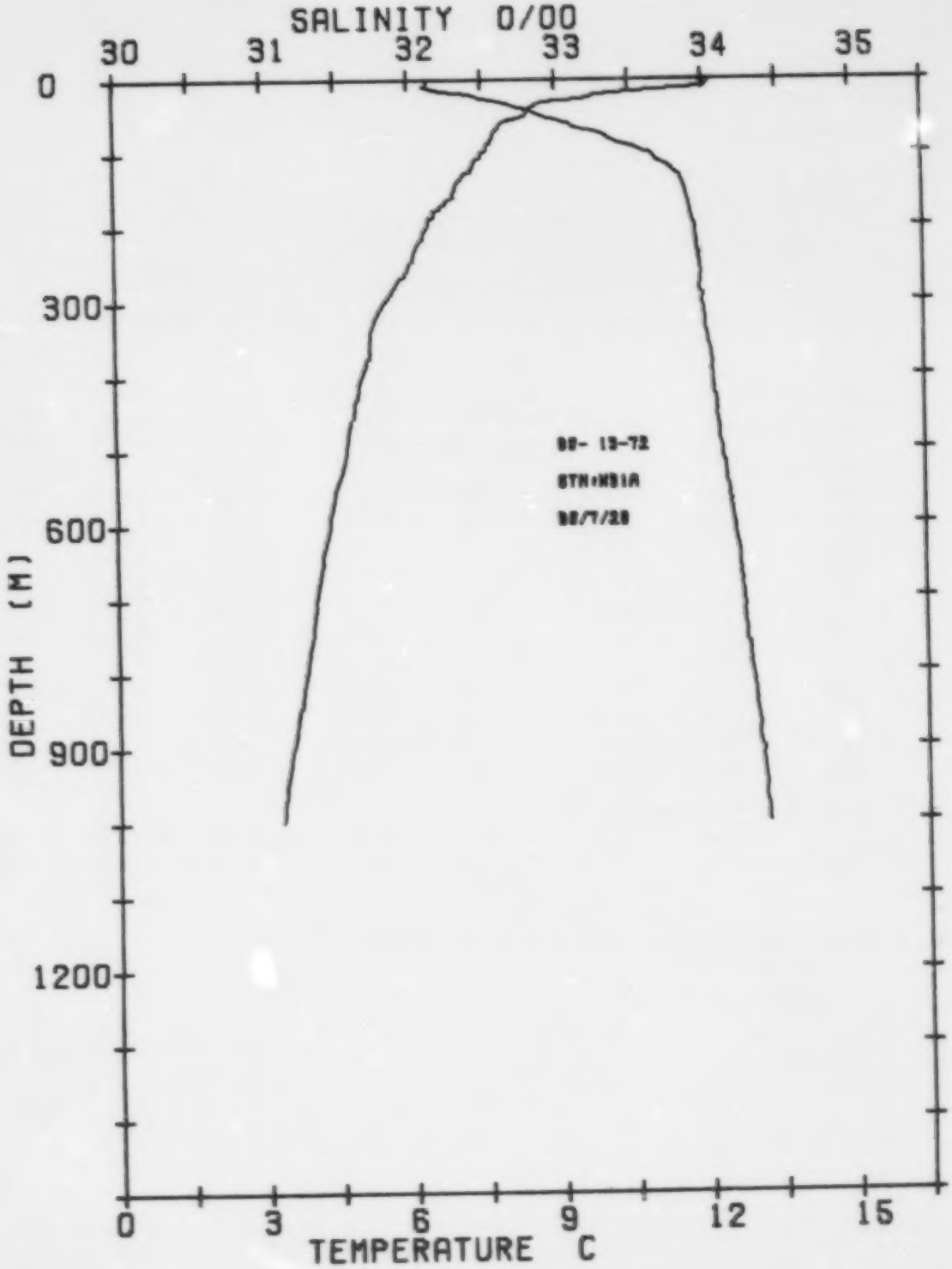
CRUISE : C.O.D.E. 80-13.
STATION: W31 CONS #070
LAT N 49 34.5 LONG W 127 38.0
DATE 80/07/29 TIME (PST) 0500

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.13	32.28	24.66	329.0	.00	.00	1491.0
10	11.14	32.28	24.66	329.2	.33	.02	1491.2
20	10.89	32.29	24.71	324.9	.66	.07	1490.5
30	9.21	32.46	25.13	285.3	.96	.14	1484.7
50	8.01	33.19	25.88	213.8	1.46	.34	1481.4
75	7.58	33.57	26.23	180.7	1.95	.64	1480.7
100	7.33	33.75	26.41	164.2	2.39	1.03	1480.3
125	6.85	33.87	26.57	149.1	2.77	1.46	1479.0
150	6.65	33.93	26.65	142.1	3.14	1.96	1478.7
175	6.40	33.95	26.69	138.3	3.49	2.53	1478.2
200	6.25	33.96	26.72	135.7	3.83	3.17	1477.9
225	6.01	33.97	26.76	132.5	4.17	3.89	1477.4
250	5.82	33.97	26.78	130.3	4.50	4.67	1477.1
300	5.44	33.99	26.85	124.6	5.13	6.42	1476.4
400	5.12	34.05	26.94	117.2	6.34	10.63	1476.8
500	4.65	34.13	27.05	106.8	7.46	15.66	1476.6
600	4.31	34.19	27.14	99.2	8.48	21.25	1476.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
600.1	4.31	34.19	27.14	99.2	8.48	21.25	1476.9

WIND MIXED LAYER DEPTH = 15.8 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

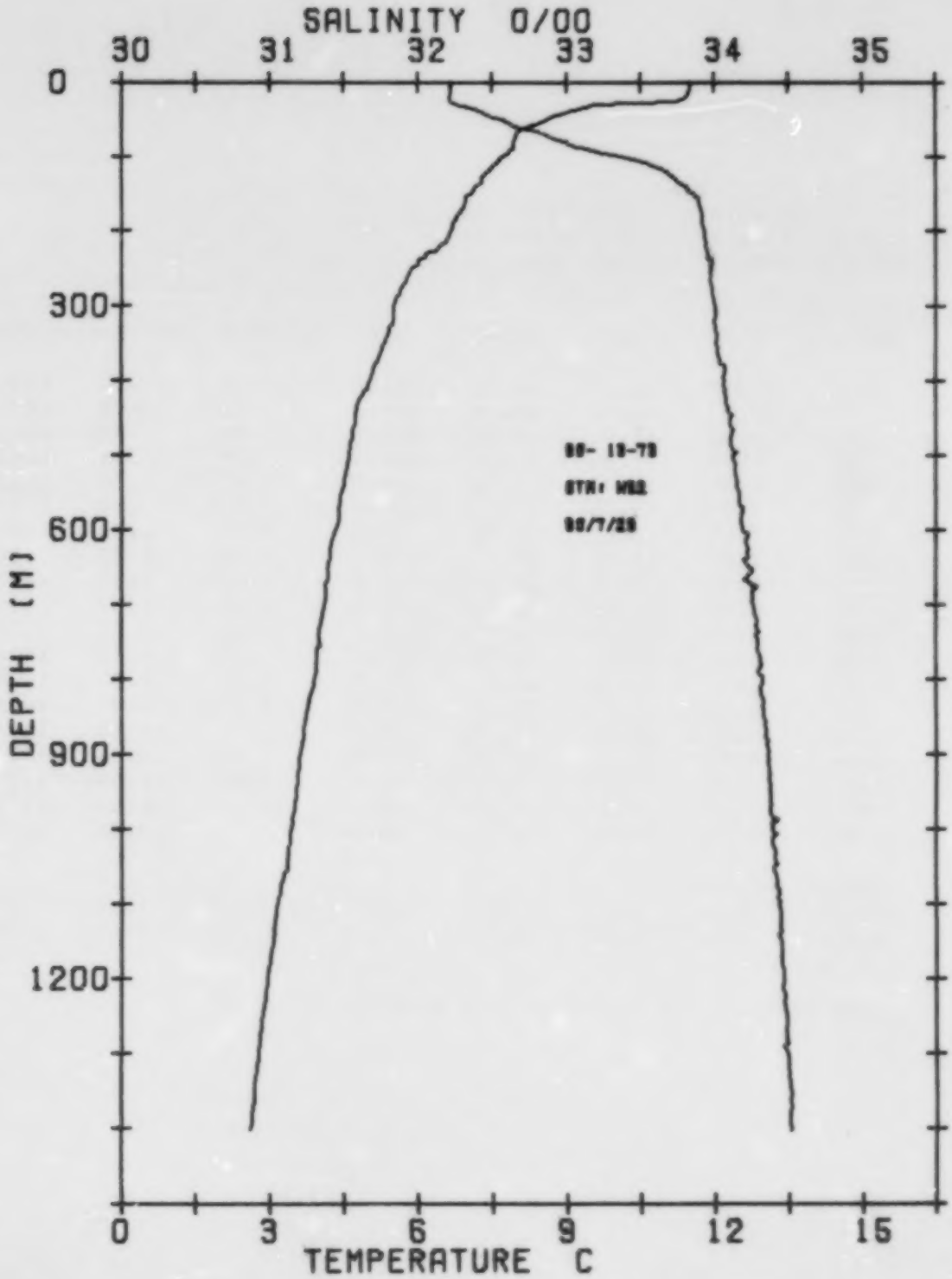
CRUISE : C.O.D.E. 80-13.
STATION: W31A CONS #072
LAT N 49 31.7 LONG W 127 42.3
DATE 80/07/29 TIME (PST) 0619

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.13	32.13	24.36	357.6	.00	.00	1494.3
10	12.07	32.11	24.36	358.1	.36	.02	1494.2
20	9.92	32.42	24.98	298.9	.68	.07	1487.1
30	8.78	32.64	25.33	265.7	.97	.14	1483.3
50	8.39	32.93	25.62	238.8	1.47	.34	1482.5
75	7.75	33.35	26.04	198.8	2.01	.67	1481.1
100	7.49	33.66	26.32	172.6	2.48	1.08	1480.8
125	7.26	33.82	26.47	158.4	2.90	1.55	1480.6
150	6.95	33.89	26.57	149.2	3.28	2.07	1479.8
175	6.62	33.92	26.64	143.3	3.64	2.67	1479.0
200	6.40	33.95	26.70	138.2	3.99	3.32	1478.5
225	6.18	33.96	26.74	134.7	4.34	4.05	1478.1
250	6.03	33.98	26.77	131.7	4.67	4.84	1477.9
300	5.53	33.99	26.84	125.4	5.31	6.61	1476.7
400	5.05	34.06	26.95	115.9	6.51	10.80	1476.5
500	4.71	34.12	27.04	108.4	7.63	15.84	1476.8
600	4.35	34.20	27.13	99.6	8.67	21.54	1477.1
800	3.85	34.31	27.28	87.0	10.53	34.54	1478.4
1000	3.34	34.42	27.41	74.9	12.14	48.98	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.34	34.42	27.41	74.9	12.14	48.98	1479.7

WIND MIXED LAYER DEPTH = 8.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

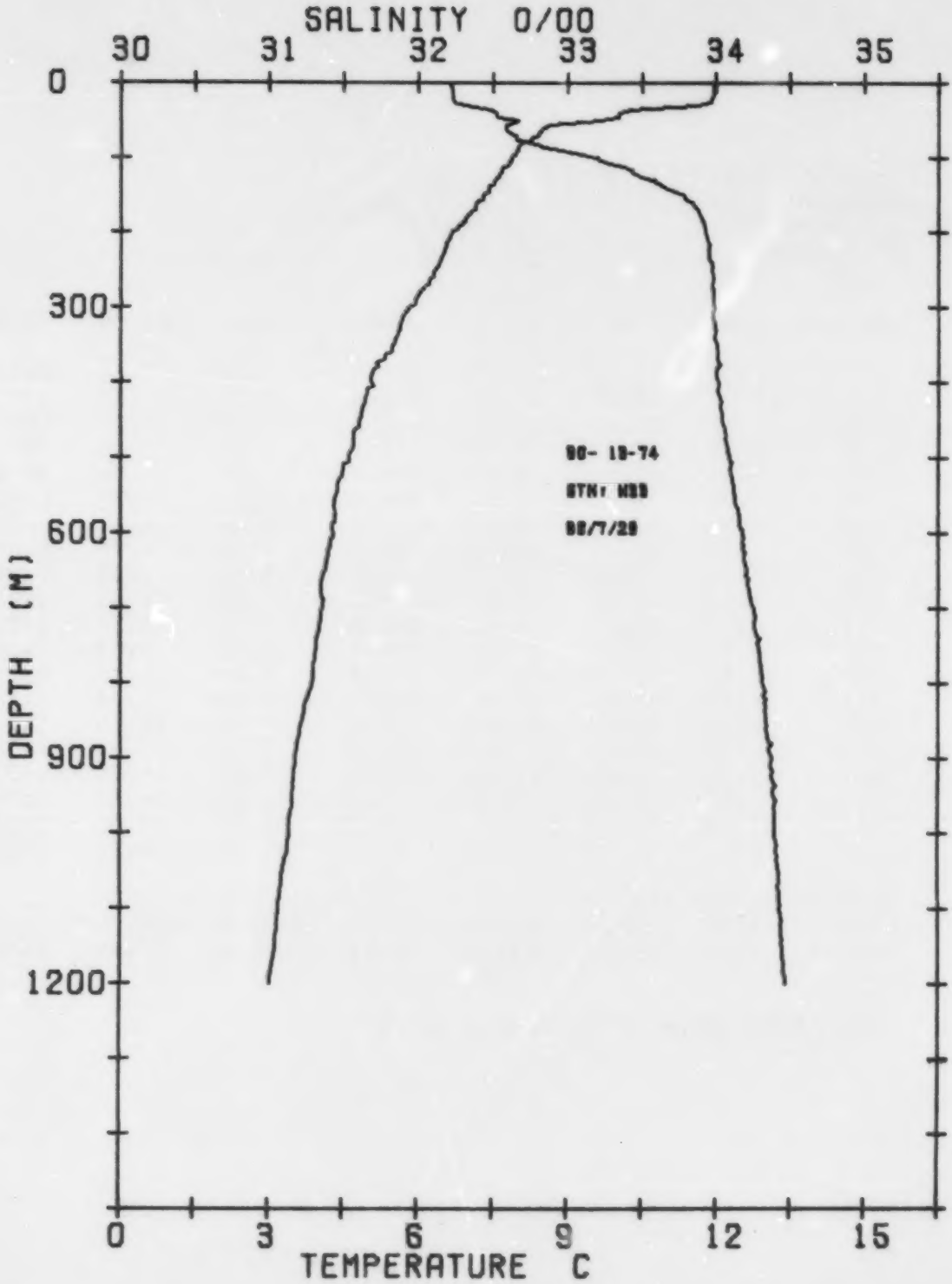
CRUISE : C.O.D.E. 80-13.
STATION: W32 CONS #073
LAT N 49 29.0 LONG W 127 46.5
DATE 80/07/29 TIME (PST) 0731

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.51	32.22	24.55	339.5	.00	.00	1492.3
10	11.53	32.22	24.54	340.2	.34	.02	1492.5
20	11.47	32.21	24.55	340.3	.68	.07	1492.4
30	9.63	32.27	24.91	306.1	1.01	.15	1486.0
50	8.65	32.58	25.30	268.7	1.58	.38	1483.1
75	7.99	32.91	25.66	235.0	2.21	.77	1481.4
100	7.74	33.38	26.06	197.3	2.76	1.24	1481.4
125	7.35	33.71	26.38	167.3	3.20	1.75	1480.8
150	7.09	33.86	26.53	153.2	3.60	2.30	1480.3
175	6.87	33.92	26.61	146.1	3.98	2.90	1480.0
200	6.69	33.94	26.65	143.0	4.34	3.58	1479.7
225	6.42	33.95	26.69	139.1	4.69	4.33	1479.0
250	5.90	33.98	26.79	130.2	5.03	5.12	1477.4
300	5.53	34.01	26.86	123.9	5.66	6.88	1476.8
400	5.04	34.07	26.96	114.6	6.87	11.10	1476.5
500	4.62	34.13	27.06	106.3	7.97	16.04	1476.4
600	4.36	34.19	27.13	100.1	9.00	21.70	1477.1
800	3.91	34.32	27.28	87.3	10.86	34.65	1478.7
1000	3.45	34.39	27.38	78.3	12.50	49.38	1480.1
1200	2.98	34.47	27.49	68.1	13.95	65.28	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1401.1	2.62	34.51	27.55	62.1	15.25	82.19	1483.3

WIND MIXED LAYER DEPTH = 22.0 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

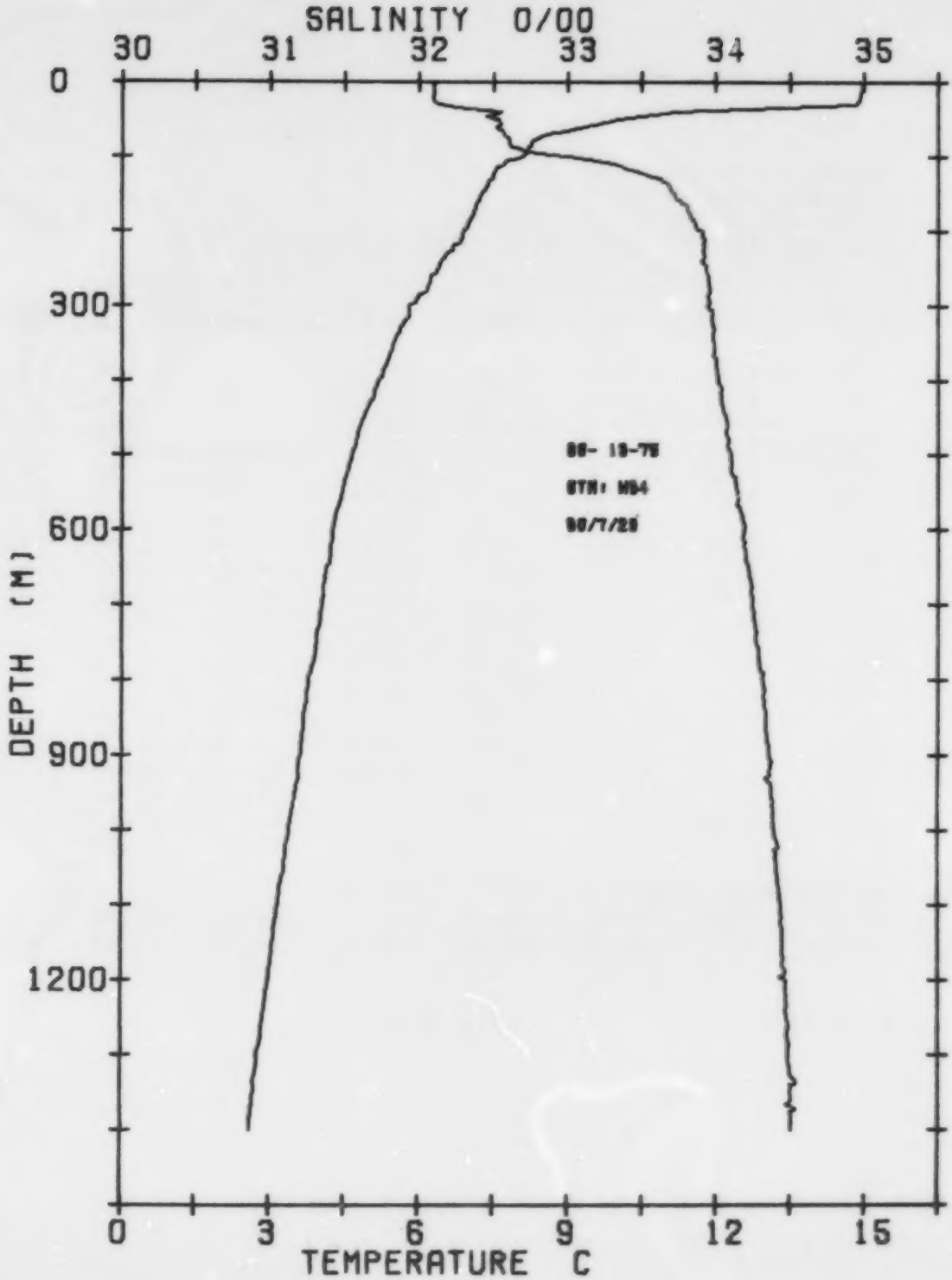
CRUISE : C.O.D.E. 80-13.
STATION: W33 CONS #074
LAT N 49 23.5 LONG W 127 55.0
DATE 80/07/29 TIME (PST) 0953

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.02	32.21	24.45	349.2	.00	.00	1494.0
10	11.95	32.23	24.47	347.2	.35	.02	1494.0
20	11.93	32.23	24.48	346.9	.70	.07	1494.1
30	11.64	32.32	24.60	335.2	1.04	.16	1493.3
50	9.72	32.66	25.19	279.2	1.64	.39	1487.2
75	8.29	32.66	25.42	257.9	2.30	.81	1482.2
100	7.88	33.20	25.90	212.5	2.89	1.32	1481.7
125	7.62	33.49	26.17	187.6	3.39	1.88	1481.5
150	7.31	33.78	26.44	162.0	3.82	2.47	1481.1
175	7.07	33.89	26.56	151.3	4.21	3.11	1480.7
200	6.71	33.93	26.64	143.6	4.58	3.80	1479.7
225	6.54	33.95	26.68	140.2	4.93	4.55	1479.5
250	6.37	33.97	26.72	136.7	5.28	5.37	1479.3
300	5.85	33.99	26.80	129.6	5.95	7.20	1478.0
400	5.05	34.02	26.91	119.1	7.19	11.55	1476.4
500	4.60	34.09	27.02	109.6	8.34	16.70	1476.3
600	4.28	34.18	27.13	100.2	9.38	22.43	1476.7
800	3.88	34.32	27.28	86.8	11.24	35.42	1478.5
1000	3.42	34.40	27.39	76.9	12.85	49.88	1480.0
1200	3.02	34.47	27.48	68.9	14.31	65.87	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1200.0	3.02	34.47	27.48	68.9	14.31	65.87	1481.7

WIND MIXED LAYER DEPTH = 23.1 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

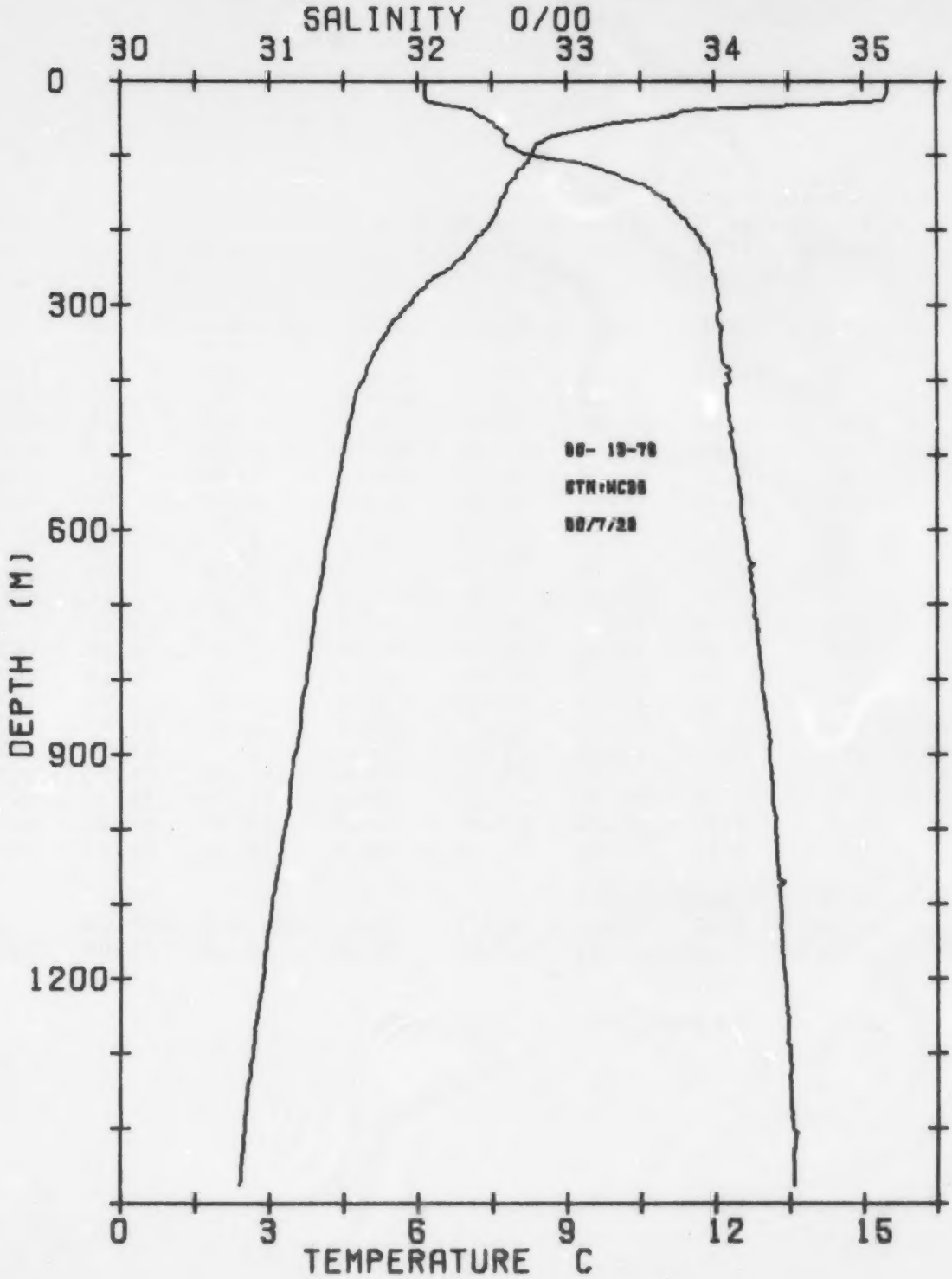
CRUISE : C.O.D.E. 80-13.
STATION: W34 CONS #075
LAT N 49 18.0 LONG W 128 04.0
DATE 80/07/29 TIME (PST) 1147

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.97	32.10	23.77	414.1	.00	.00	1503.7
10	14.96	32.10	23.77	414.3	.41	.02	1503.9
20	14.93	32.09	23.77	414.1	.83	.08	1503.9
30	14.85	32.12	23.81	410.5	1.24	.19	1503.9
50	10.08	32.53	25.04	294.2	1.90	.45	1488.3
75	8.39	32.60	25.36	264.0	2.60	.88	1482.5
100	8.11	32.98	25.70	232.1	3.24	1.44	1482.3
125	7.49	33.55	26.23	181.6	3.74	2.00	1481.1
150	7.26	33.72	26.40	165.8	4.17	2.59	1480.8
175	7.10	33.82	26.50	156.8	4.57	3.24	1480.8
200	6.89	33.91	26.60	147.6	4.95	3.96	1480.4
225	6.65	33.91	26.63	144.7	5.32	4.74	1479.9
250	6.38	33.93	26.68	140.2	5.68	5.58	1479.3
300	5.81	33.94	26.77	132.6	6.36	7.45	1477.8
400	5.20	34.01	26.90	121.1	7.62	11.86	1477.1
500	4.66	34.10	27.02	109.4	8.76	17.00	1476.6
600	4.27	34.19	27.14	99.4	9.81	22.73	1476.7
800	3.79	34.32	27.29	85.9	11.67	35.71	1478.1
1000	3.39	34.40	27.39	77.0	13.30	50.35	1479.8
1200	2.97	34.46	27.49	68.6	14.75	66.27	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1400.0	2.60	34.51	27.56	61.8	16.04	83.08	1483.2

WIND MIXED LAYER DEPTH = 28.5 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

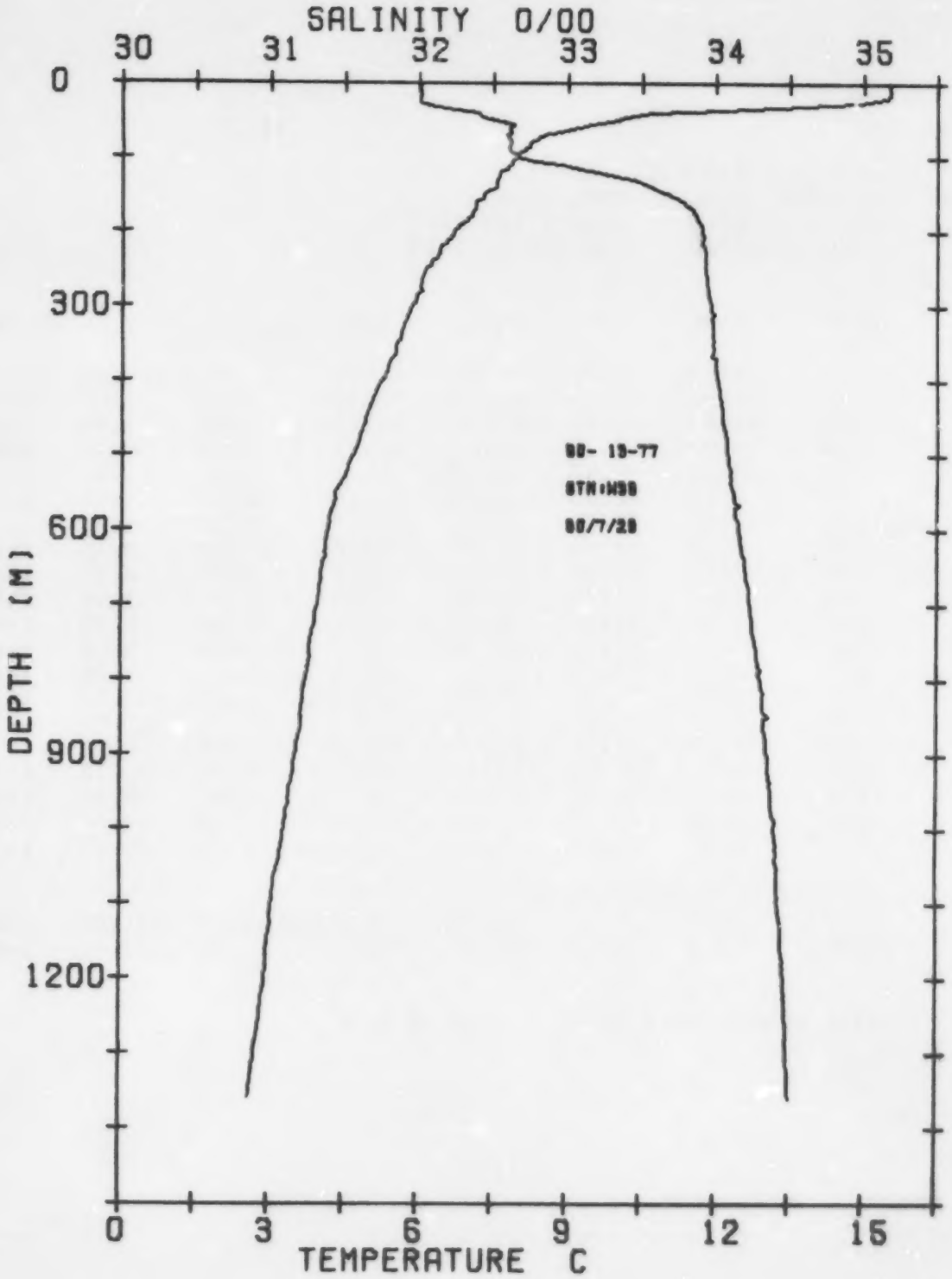
CRUISE : C.O.D.E. 80-13.
STATION: WC35 CONS #076
LAT N 49 06.5 LONG W 128 21.0
DATE 80/07/29 TIME (PST) 1407

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.53	32.05	23.61	429.1	.00	.00	1505.4
10	15.51	32.05	23.62	428.9	.43	.02	1505.5
20	15.49	32.05	23.62	428.7	.86	.09	1505.7
30	14.54	32.13	23.88	404.0	1.28	.19	1502.9
50	10.82	32.47	24.87	310.4	1.96	.46	1490.9
75	8.69	32.59	25.31	268.8	2.67	.90	1483.6
100	8.31	32.78	25.51	249.7	3.32	1.47	1482.8
125	8.02	33.35	26.00	203.6	3.88	2.10	1482.9
150	7.79	33.60	26.23	182.2	4.36	2.75	1482.7
175	7.61	33.75	26.37	168.9	4.80	3.46	1482.7
200	7.37	33.87	26.50	157.1	5.20	4.23	1482.3
225	7.06	33.95	26.61	147.0	5.58	5.03	1481.6
250	6.68	33.99	26.69	139.9	5.94	5.88	1480.5
300	5.86	34.03	26.83	127.1	6.60	7.69	1478.1
400	4.93	34.10	27.00	111.3	7.79	11.85	1476.1
500	4.51	34.14	27.07	104.9	8.88	16.75	1476.0
600	4.23	34.20	27.15	98.1	9.90	22.32	1476.6
800	3.78	34.32	27.29	85.9	11.72	35.06	1478.1
1000	3.33	34.41	27.41	75.2	13.32	49.44	1479.6
1200	2.90	34.47	27.50	67.0	14.75	65.05	1481.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1475.1	2.41	34.53	27.59	58.6	16.46	87.90	1483.7

WIND MIXED LAYER DEPTH = 26.3 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

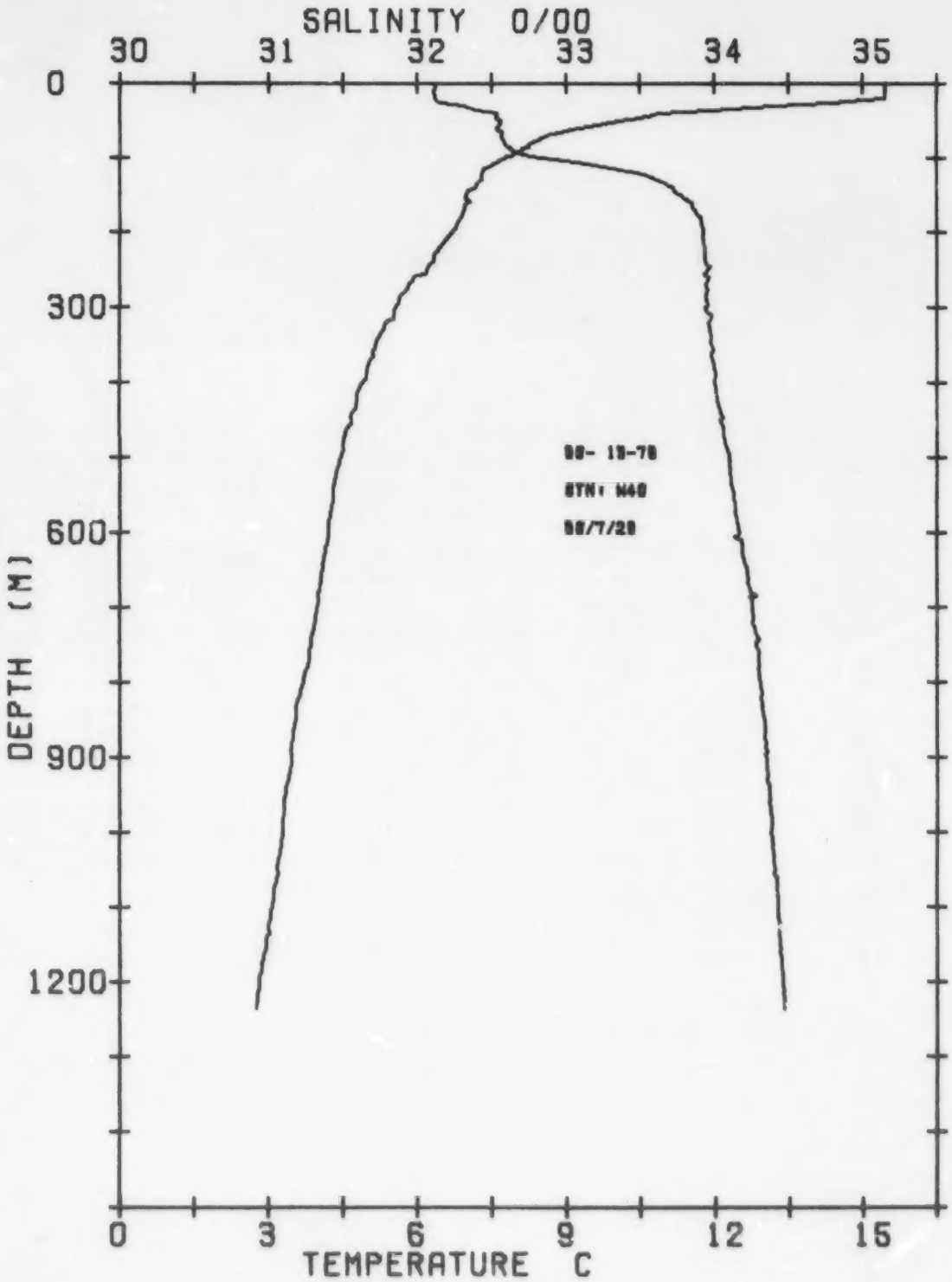
CRUISE : C.O.D.E. 80-13.
STATION: W38 CONS #077
LAT N 49 18.5 LONG W 128 36.5
DATE 80/07/29 TIME (PST) 1914

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.53	32.00	23.57	432.5	.00	.00	1505.4
10	15.53	32.01	23.58	432.7	.43	.02	1505.6
20	15.48	32.00	23.58	432.2	.87	.09	1505.6
30	13.85	32.07	23.98	394.7	1.28	.19	1500.5
50	10.05	32.52	25.03	294.7	1.94	.45	1488.2
75	8.39	32.61	25.36	263.4	2.63	.88	1482.5
100	7.98	32.67	25.48	252.9	3.27	1.44	1481.5
125	7.62	33.32	26.04	200.1	3.84	2.07	1481.3
150	7.33	33.69	26.37	169.0	4.30	2.70	1481.1
175	7.09	33.86	26.54	153.4	4.70	3.35	1480.8
200	6.73	33.90	26.62	145.9	5.07	4.05	1479.8
225	6.44	33.93	26.68	140.6	5.43	4.81	1479.1
250	6.17	33.93	26.71	137.4	5.77	5.64	1478.4
300	5.88	33.97	26.78	131.3	6.45	7.49	1478.1
400	5.27	34.02	26.89	121.8	7.72	11.93	1477.3
500	4.71	34.09	27.01	110.9	8.88	17.14	1476.8
600	4.21	34.16	27.12	100.5	9.93	22.90	1476.4
800	3.75	34.31	27.28	86.2	11.79	35.89	1477.9
1000	3.33	34.40	27.40	75.7	13.41	50.43	1479.6
1200	2.95	34.47	27.49	67.9	14.84	66.14	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1360.5	2.62	34.51	27.55	62.2	15.88	79.50	1482.7

WIND MIXED LAYER DEPTH = 23.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

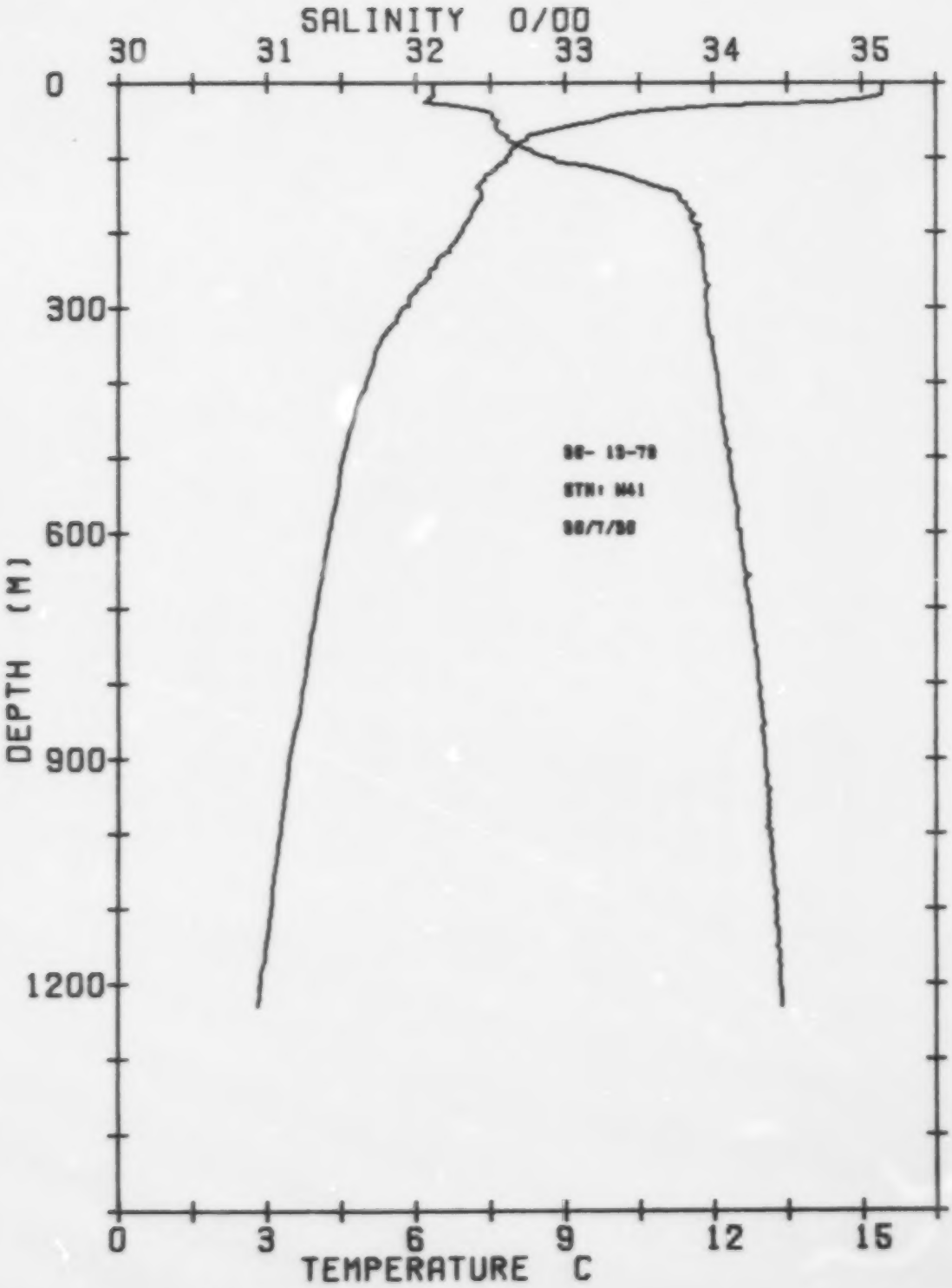
CRUISE : C.O.D.E. 80-13.
STATION: W40 CONS #078
LAT N 49 31.5 LONG W 128 52.5
DATE 80/07/29 TIME (PST) 2229

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.45	32.12	23.68	422.4	.00	.00	1505.3
10	15.46	32.11	23.68	423.2	.42	.02	1505.5
20	15.45	32.12	23.68	422.9	.85	.08	1505.6
30	13.26	32.31	24.28	365.8	1.24	.18	1498.9
50	10.09	32.56	25.05	292.4	1.88	.44	1488.4
75	8.47	32.58	25.33	266.1	2.58	.87	1482.8
100	7.77	32.84	25.63	237.8	3.22	1.43	1480.8
125	7.29	33.58	26.28	176.6	3.72	1.99	1480.3
150	6.98	33.78	26.48	158.0	4.14	2.57	1479.8
175	6.93	33.89	26.58	148.9	4.52	3.19	1480.2
200	6.72	33.93	26.64	144.1	4.89	3.87	1479.8
225	6.41	33.94	26.69	139.6	5.24	4.63	1479.0
250	6.22	33.96	26.73	136.1	5.59	5.44	1478.7
300	5.58	33.94	26.79	129.9	6.25	7.26	1476.9
400	4.91	34.00	26.92	118.6	7.48	11.56	1475.8
500	4.46	34.10	27.04	107.3	8.61	16.62	1475.7
600	4.22	34.17	27.13	100.2	9.64	22.33	1476.5
800	3.71	34.31	27.29	85.6	11.49	35.23	1477.8
1000	3.30	34.38	27.39	76.9	13.10	49.69	1479.4
1200	2.82	34.46	27.49	67.3	14.54	65.48	1480.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1235.1	2.76	34.47	27.51	65.6	14.78	68.31	1481.1

WIND MIXED LAYER DEPTH = 20.4 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

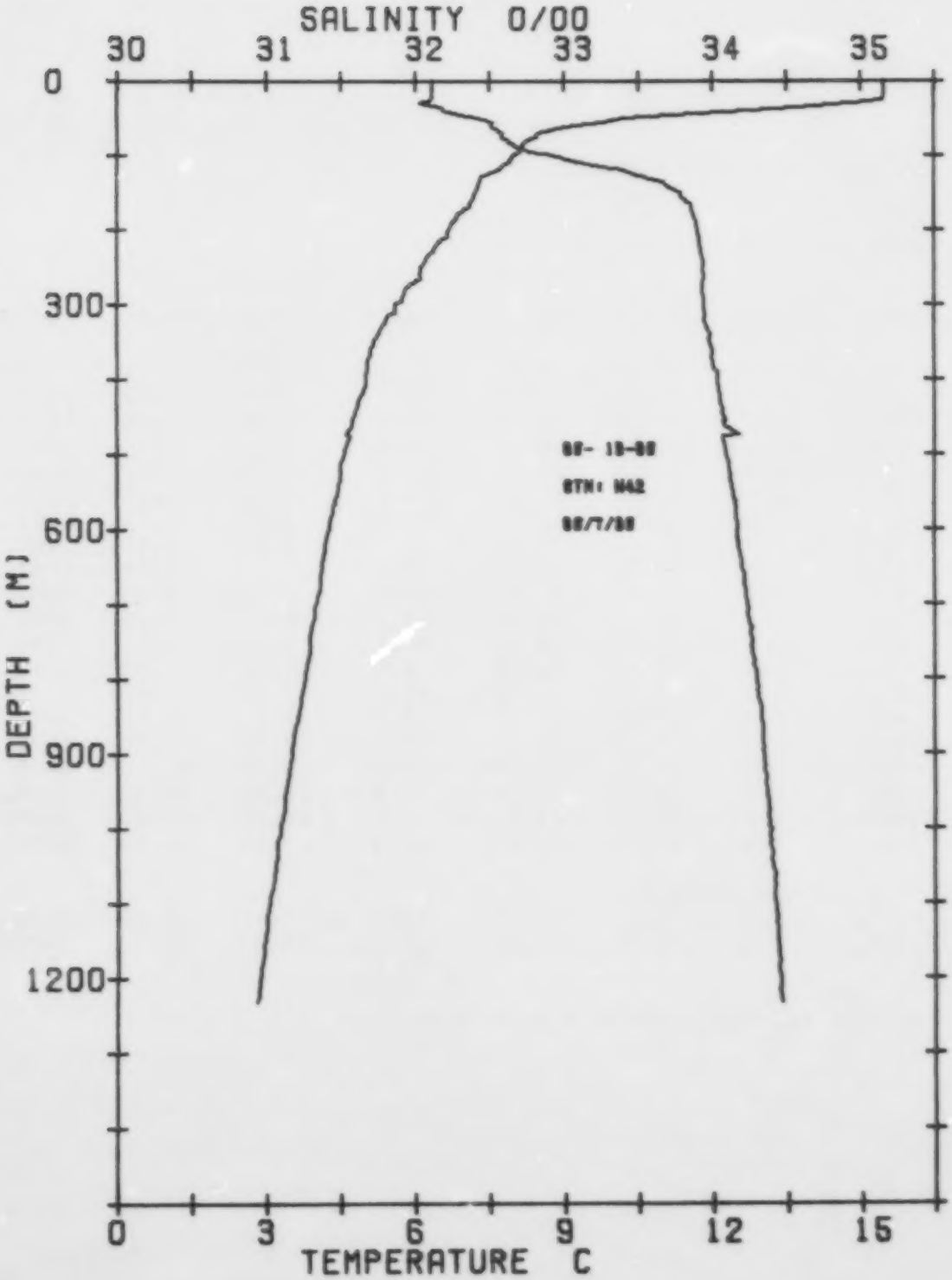
CRUISE : C.O.D.E. 80-13.
STATION: W41 CONS #079
LAT N 49 36.5 LONG W 128 44.5
DATE 80/07/30 TIME (PST) 0009

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.43	32.12	23.69	421.9	.00	.00	1505.2
10	15.42	32.12	23.69	422.0	.42	.02	1505.4
20	15.17	32.09	23.72	419.5	.84	.08	1504.7
30	12.19	32.27	24.46	348.6	1.24	.18	1495.2
50	9.69	32.55	25.11	286.8	1.85	.42	1486.9
75	8.21	32.62	25.40	260.0	2.53	.85	1481.8
100	7.84	32.91	25.68	233.1	3.15	1.39	1481.2
125	7.39	33.44	26.16	187.8	3.67	1.98	1480.6
150	7.32	33.77	26.43	163.2	4.11	2.58	1481.1
175	7.11	33.87	26.54	153.3	4.51	3.22	1480.8
200	6.92	33.89	26.58	149.2	4.89	3.93	1480.5
225	6.65	33.93	26.65	143.1	5.25	4.71	1479.9
250	6.31	33.93	26.70	138.9	5.61	5.55	1479.0
300	5.75	33.95	26.78	131.2	6.28	7.40	1477.6
400	5.02	34.03	26.93	117.5	7.51	11.70	1476.3
500	4.55	34.10	27.04	108.3	8.64	16.76	1476.1
600	4.27	34.18	27.13	100.0	9.68	22.47	1476.7
800	3.77	34.31	27.28	86.4	11.53	35.43	1478.0
1000	3.29	34.38	27.39	76.7	13.15	49.98	1479.4
1200	2.88	34.45	27.48	68.3	14.60	65.84	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.6	2.82	34.46	27.50	67.2	14.81	68.35	1481.3

WIND MIXED LAYER DEPTH = 21.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

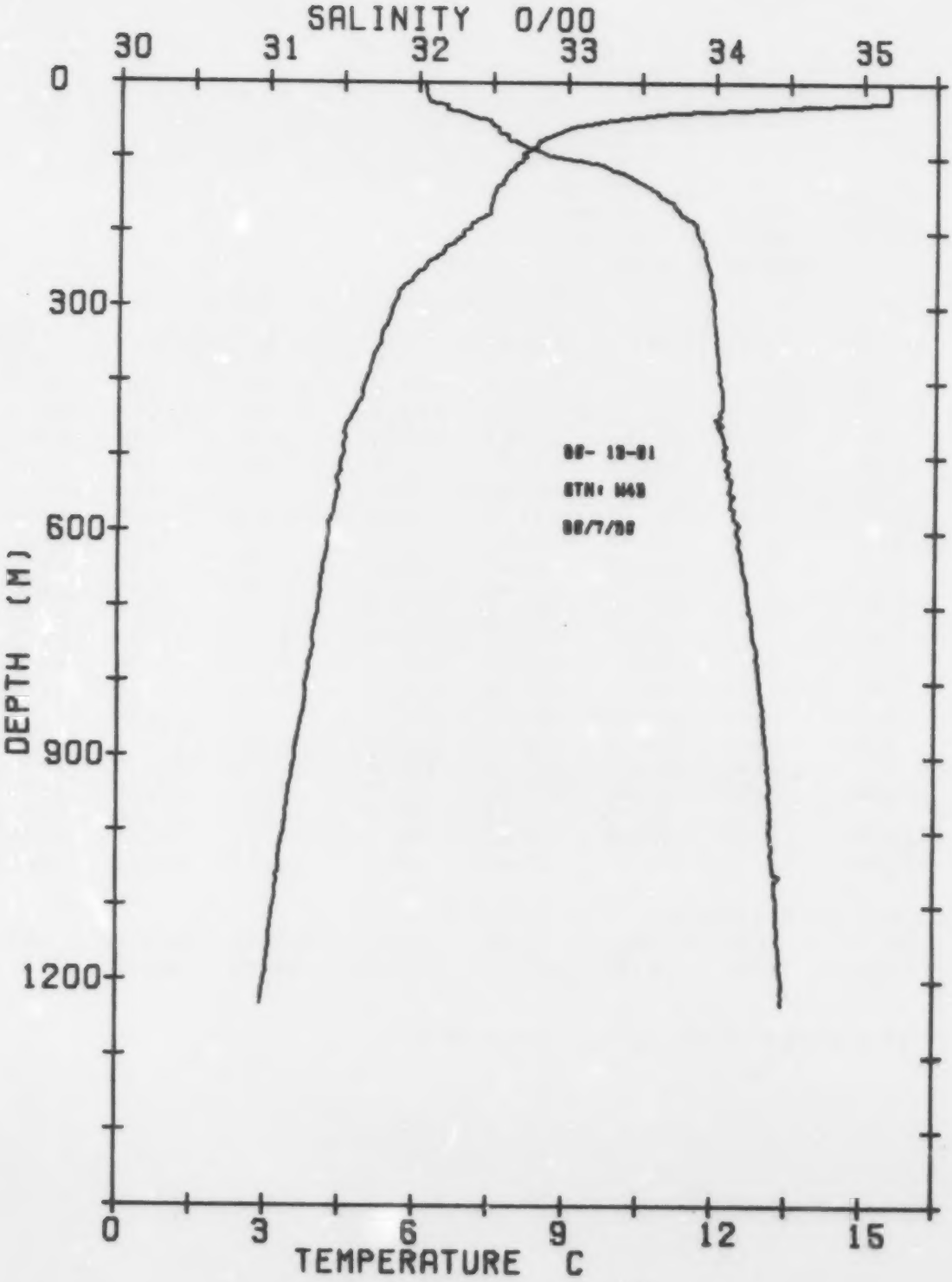
CRUISE : C.O.D.E. 80-13.
STATION: W42 CONS #080
LAT N 49 42.0 LONG W 128 36.5
DATE 80/07/30 TIME (PST) 0205

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.47	32.11	23.67	423.5	.00	.00	1505.3
10	15.47	32.11	23.67	423.8	.42	.02	1505.5
20	15.47	32.11	23.67	424.4	.85	.08	1505.7
30	14.84	32.03	23.74	417.1	1.27	.19	1503.7
50	10.27	32.42	24.92	305.6	1.99	.48	1488.9
75	8.42	32.59	25.35	264.8	2.69	.91	1482.6
100	8.02	32.92	25.66	235.2	3.33	1.46	1481.9
125	7.49	33.47	26.17	187.5	3.86	2.06	1481.0
150	7.24	33.78	26.45	161.4	4.29	2.65	1480.8
175	6.98	33.86	26.55	152.0	4.68	3.28	1480.3
200	6.70	33.90	26.62	145.6	5.05	3.98	1479.7
225	6.40	33.92	26.67	140.6	5.41	4.74	1478.9
250	6.14	33.93	26.72	136.7	5.75	5.56	1478.3
300	5.62	33.94	26.79	130.5	6.43	7.40	1477.0
400	5.01	34.03	26.93	117.3	7.66	11.71	1476.3
500	4.58	34.09	27.03	109.2	8.78	16.76	1476.2
600	4.28	34.17	27.12	100.5	9.83	22.49	1476.7
800	3.80	34.30	27.27	87.3	11.70	35.58	1478.2
1000	3.30	34.40	27.40	76.1	13.33	50.21	1479.5
1200	2.89	34.46	27.49	68.1	14.77	66.03	1481.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1231.5	2.82	34.47	27.50	66.8	14.99	68.62	1481.3

WIND MIXED LAYER DEPTH = 27.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

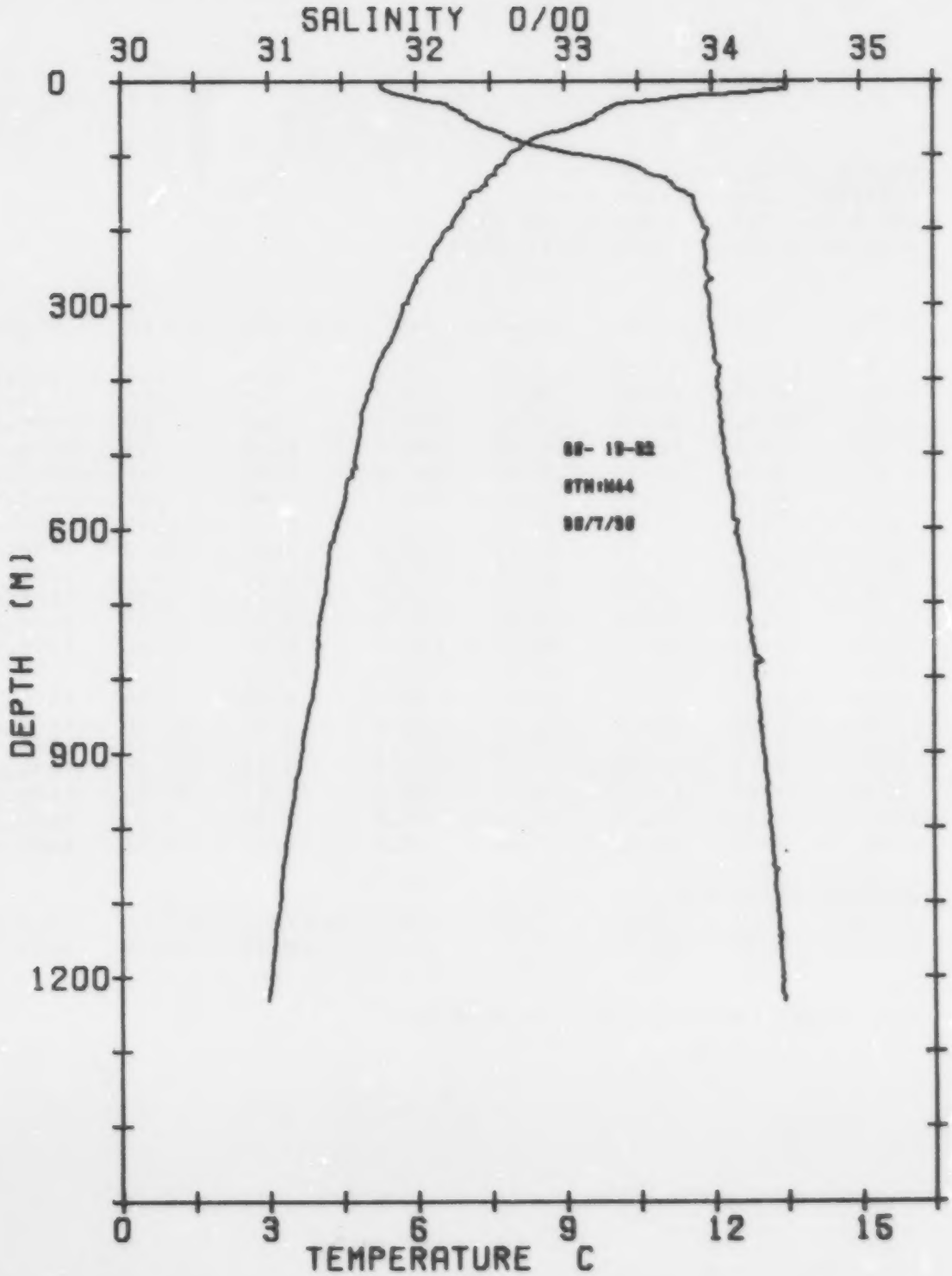
CRUISE : C.O.D.E. 80-13.
STATION: W43 CONS #081
LAT N 49 47.0 LONG W 128 28.5
DATE 80/07/30 TIME (PST) 0337

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.52	32.04	23.61	429.4	.00	.00	1505.4
10	15.53	32.05	23.61	429.3	.43	.02	1505.6
20	15.53	32.06	23.62	429.1	.86	.09	1505.8
30	14.06	32.19	24.03	390.1	1.28	.19	1501.4
50	9.89	32.48	25.03	294.9	1.95	.46	1487.6
75	8.53	32.60	25.33	266.1	2.65	.89	1483.1
100	8.15	32.93	25.65	236.3	3.27	1.44	1482.4
125	7.76	33.43	26.10	193.9	3.80	2.03	1482.0
150	7.53	33.61	26.28	177.4	4.26	2.66	1481.7
175	7.44	33.77	26.41	164.9	4.69	3.35	1482.0
200	6.95	33.88	26.57	150.4	5.08	4.08	1480.6
225	6.54	33.94	26.67	141.3	5.44	4.86	1479.5
250	6.11	33.97	26.75	134.0	5.79	5.68	1478.2
300	5.53	33.99	26.84	125.4	6.43	7.44	1476.7
400	4.99	34.04	26.94	116.8	7.64	11.66	1476.2
500	4.52	34.07	27.02	109.9	8.77	16.72	1475.9
600	4.26	34.16	27.12	101.0	9.82	22.50	1476.6
800	3.82	34.31	27.28	86.4	11.68	35.52	1478.3
1000	3.39	34.39	27.39	77.2	13.30	50.04	1479.8
1200	2.97	34.48	27.49	67.7	14.75	65.91	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1232.7	2.90	34.48	27.51	66.4	14.97	68.59	1481.7

WIND MIXED LAYER DEPTH = 24.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

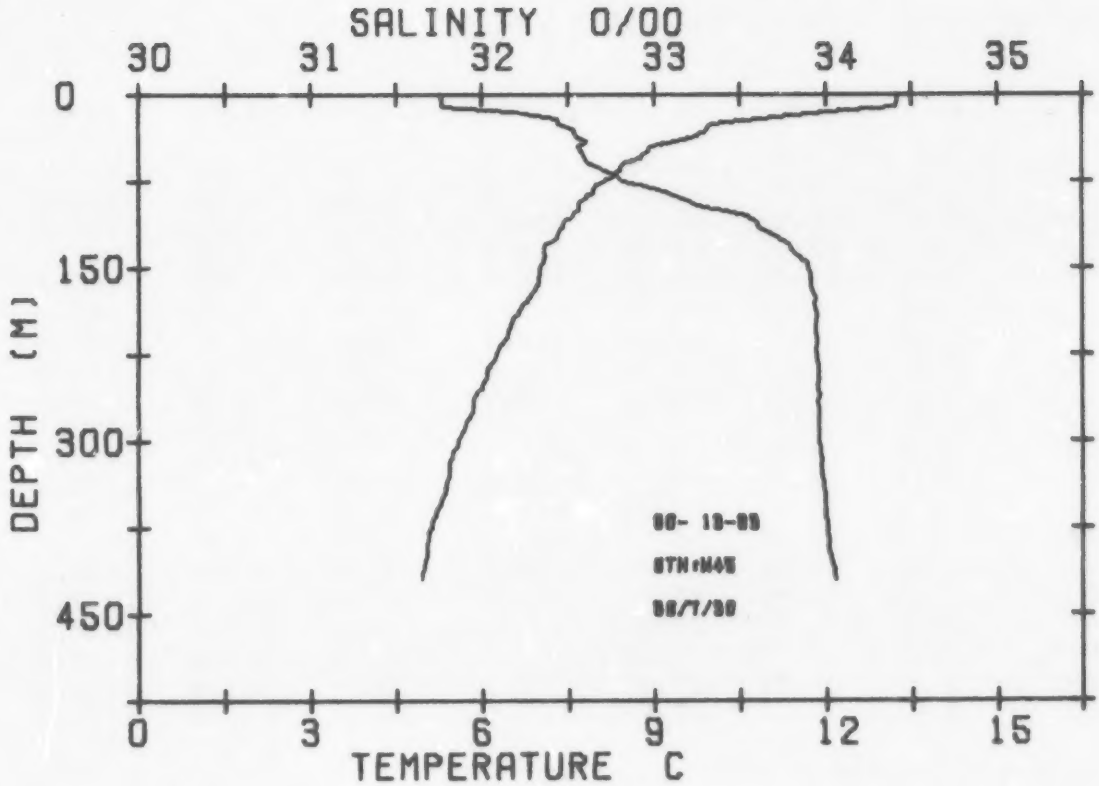
CRUISE : C.O.D.E. 80-13.
STATION: W44 CONS #082
LAT N 49 51.5 LONG W 128 20.5
DATE 80/07/30 TIME (PST) 0504

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.54	31.77	23.81	410.1	.00	.00	1498.7
10	13.54	31.78	23.82	409.5	.41	.02	1498.8
20	11.50	31.95	24.34	359.9	.80	.08	1492.2
30	10.12	32.20	24.78	318.5	1.14	.16	1487.7
50	9.61	32.34	24.96	301.0	1.75	.41	1486.3
75	8.44	32.63	25.38	262.0	2.46	.85	1482.7
100	7.89	33.16	25.87	215.3	3.06	1.37	1481.8
125	7.58	33.58	26.24	180.4	3.54	1.91	1481.5
150	7.12	33.83	26.51	155.5	3.96	2.49	1480.4
175	6.91	33.90	26.59	148.5	4.34	3.10	1480.1
200	6.64	33.97	26.68	140.0	4.70	3.78	1479.5
225	6.37	33.95	26.70	138.0	5.05	4.51	1478.8
250	6.17	33.96	26.73	135.5	5.39	5.33	1478.4
300	5.75	33.98	26.81	128.8	6.05	7.14	1477.6
400	5.13	34.03	26.92	118.7	7.29	11.46	1476.8
500	4.78	34.08	27.00	112.0	8.44	16.64	1477.0
600	4.38	34.16	27.10	102.8	9.51	22.52	1477.1
800	3.95	34.29	27.25	89.5	11.40	35.71	1478.8
1000	3.39	34.39	27.39	77.3	13.07	50.69	1479.9
1200	3.03	34.46	27.48	69.5	14.53	66.75	1481.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1232.4	2.97	34.48	27.49	67.9	14.75	69.47	1482.0

WIND MIXED LAYER DEPTH = 9.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

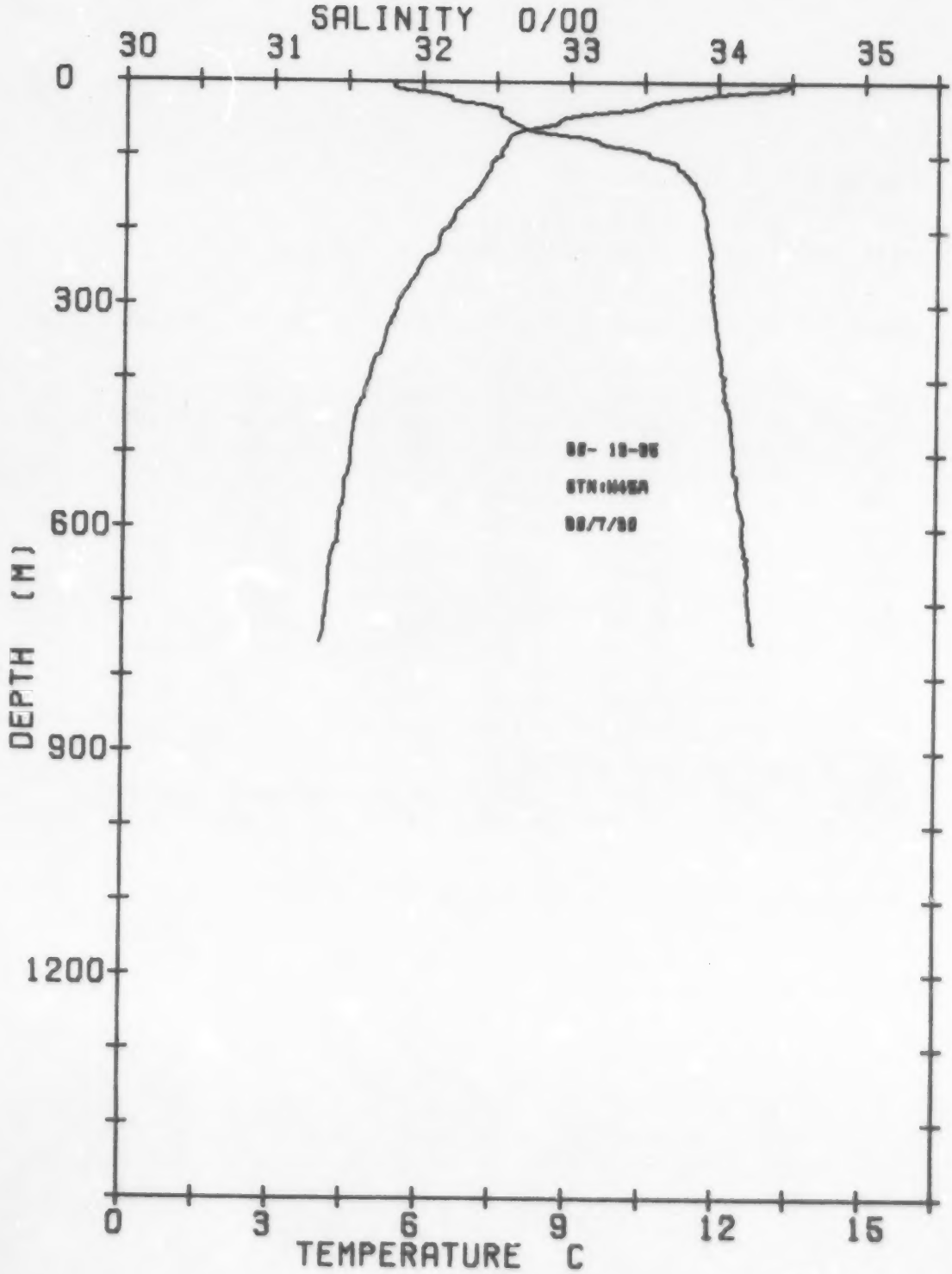
CRUISE : C.O.D.E. 80-13.
STATION: W45 CONS #083
LAT N 49 57.0 LONG W 128 12.5
DATE 80/07/30 TIME (PST) 0656

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.27	31.76	23.86	405.2	.00	.00	1497.7
10	13.24	31.77	23.87	404.2	.40	.02	1497.8
20	10.92	32.42	24.81	315.2	.76	.07	1490.7
30	9.93	32.53	25.06	291.7	1.06	.15	1487.5
50	8.87	32.58	25.27	271.5	1.62	.37	1483.9
75	8.17	32.81	25.56	244.7	2.27	.77	1481.9
100	7.68	33.41	26.10	193.9	2.82	1.25	1481.2
125	7.31	33.73	26.40	165.6	3.26	1.75	1480.6
150	7.04	33.90	26.57	149.5	3.65	2.28	1480.2
175	6.84	33.94	26.63	144.5	4.02	2.88	1479.9
200	6.51	33.94	26.67	140.5	4.37	3.55	1479.0
225	6.28	33.95	26.71	137.1	4.72	4.28	1478.5
250	6.02	33.95	26.75	133.8	5.06	5.09	1477.8
300	5.60	33.96	26.81	128.7	5.72	6.89	1477.0
400	5.04	34.03	26.92	118.3	6.94	11.18	1476.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
420.2	4.94	34.06	26.96	115.0	7.18	12.14	1476.4

WIND MIXED LAYER DEPTH = 9.7 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

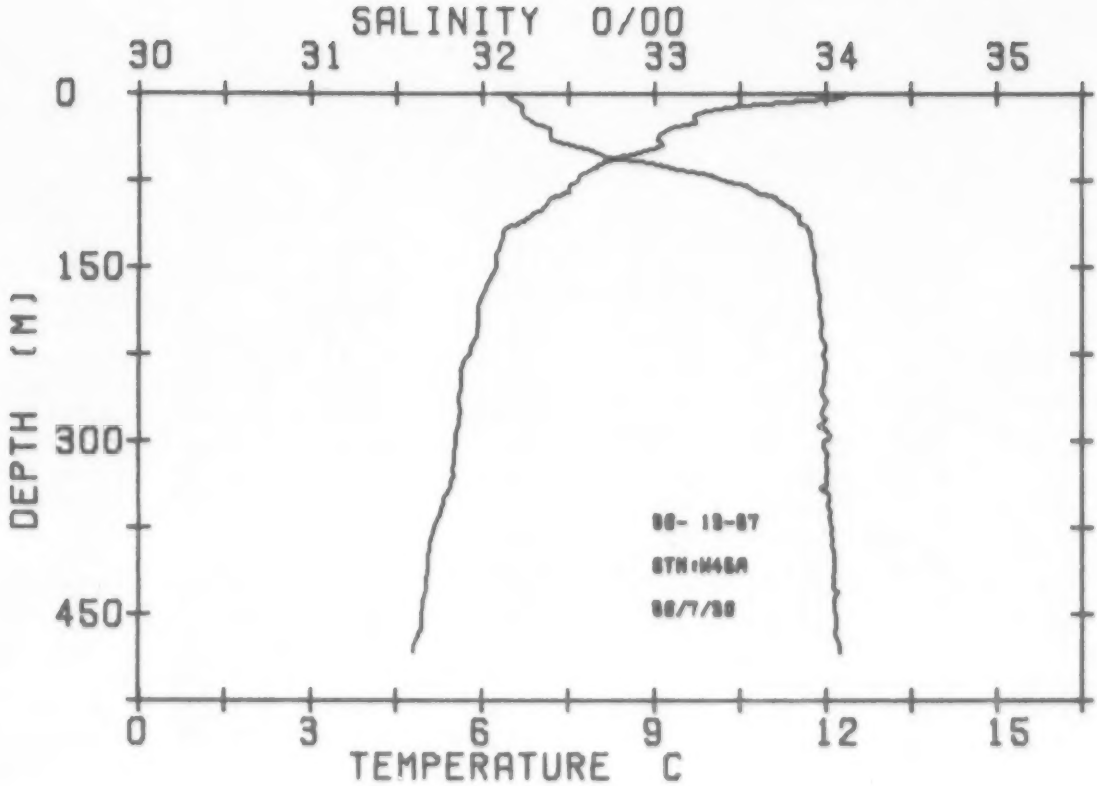
CRUISE : C.O.D.E. 80-13.
STATION: W45A CONS #085
LAT N 49 59.1 LONG W 128 08.5
DATE 80/07/30 TIME (PST) 1214

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.44	31.81	23.86	405.0	.00	.00	1498.4
10	13.23	31.83	23.92	399.9	.40	.02	1497.8
20	11.61	32.19	24.51	344.0	.77	.07	1492.9
30	10.63	32.39	24.84	312.8	1.10	.16	1489.8
50	8.87	32.57	25.26	272.5	1.68	.39	1483.9
75	7.76	33.11	25.85	216.7	2.31	.78	1480.8
100	7.58	33.53	26.21	183.7	2.81	1.21	1481.0
125	7.33	33.78	26.44	161.7	3.23	1.69	1480.8
150	7.09	33.88	26.55	152.0	3.62	2.22	1480.4
175	6.71	33.91	26.62	144.8	3.99	2.82	1479.3
200	6.46	33.93	26.67	140.3	4.35	3.49	1478.8
225	6.33	33.96	26.71	137.1	4.69	4.23	1478.7
250	5.96	33.97	26.77	132.0	5.03	5.02	1477.6
300	5.54	33.98	26.83	126.7	5.68	6.80	1476.7
400	4.98	34.05	26.95	115.8	6.89	11.03	1476.2
500	4.60	34.12	27.05	106.9	7.99	15.99	1476.4
600	4.35	34.18	27.12	101.1	9.03	21.70	1477.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
754.5	4.00	34.26	27.23	91.8	10.52	31.79	1478.2

WIND MIXED LAYER DEPTH = 3.6 METRES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35
0
150
300
450
DEPTH (M)
90- 19-87
STN:H45A
90/7/30
0
3
6
9
12
15
TEMPERATURE C

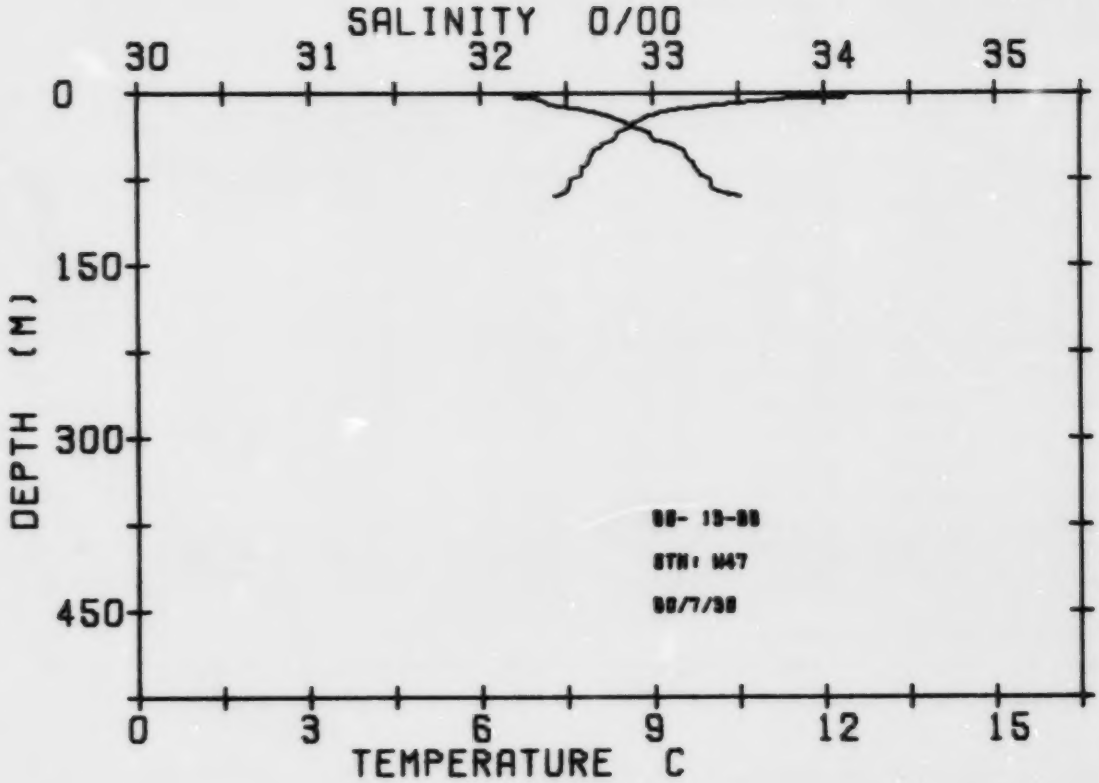
CRUISE : C.O.D.E. 80-13.
STATION: W46A CONS #087
LAT N 50 03.8 LONG W 128 02.0
DATE 80/07/30 TIME (PST) 1410

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.38	32.15	24.33	360.7	.00	.00	1495.2
10	10.53	32.23	24.73	322.9	.35	.02	1489.0
20	9.70	32.24	24.88	308.9	.66	.06	1486.1
30	9.27	32.39	25.06	291.7	.97	.14	1484.8
50	8.89	32.64	25.31	267.8	1.53	.37	1484.1
75	7.69	33.40	26.09	194.5	2.10	.72	1480.9
100	7.06	33.81	26.50	155.9	2.53	1.09	1479.4
125	6.35	33.91	26.67	139.3	2.90	1.50	1477.1
150	6.24	33.93	26.70	137.2	3.24	1.97	1477.1
175	6.00	33.97	26.76	131.5	3.58	2.52	1476.6
200	5.93	33.98	26.78	130.3	3.91	3.13	1476.7
225	5.80	33.99	26.80	128.4	4.23	3.82	1476.6
250	5.65	33.99	26.82	126.7	4.55	4.57	1476.4
300	5.55	33.99	26.83	126.1	5.18	6.31	1476.8
400	5.07	34.05	26.94	116.8	6.40	10.58	1476.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
483.2	4.79	34.08	27.00	112.0	7.36	14.83	1476.8

WIND MIXED LAYER DEPTH = 3.7 METRES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31
32
33
34
35
0
150
300
450
DEPTH (M)
STN: 1447
0
3
6
9
12
15
TEMPERATURE C

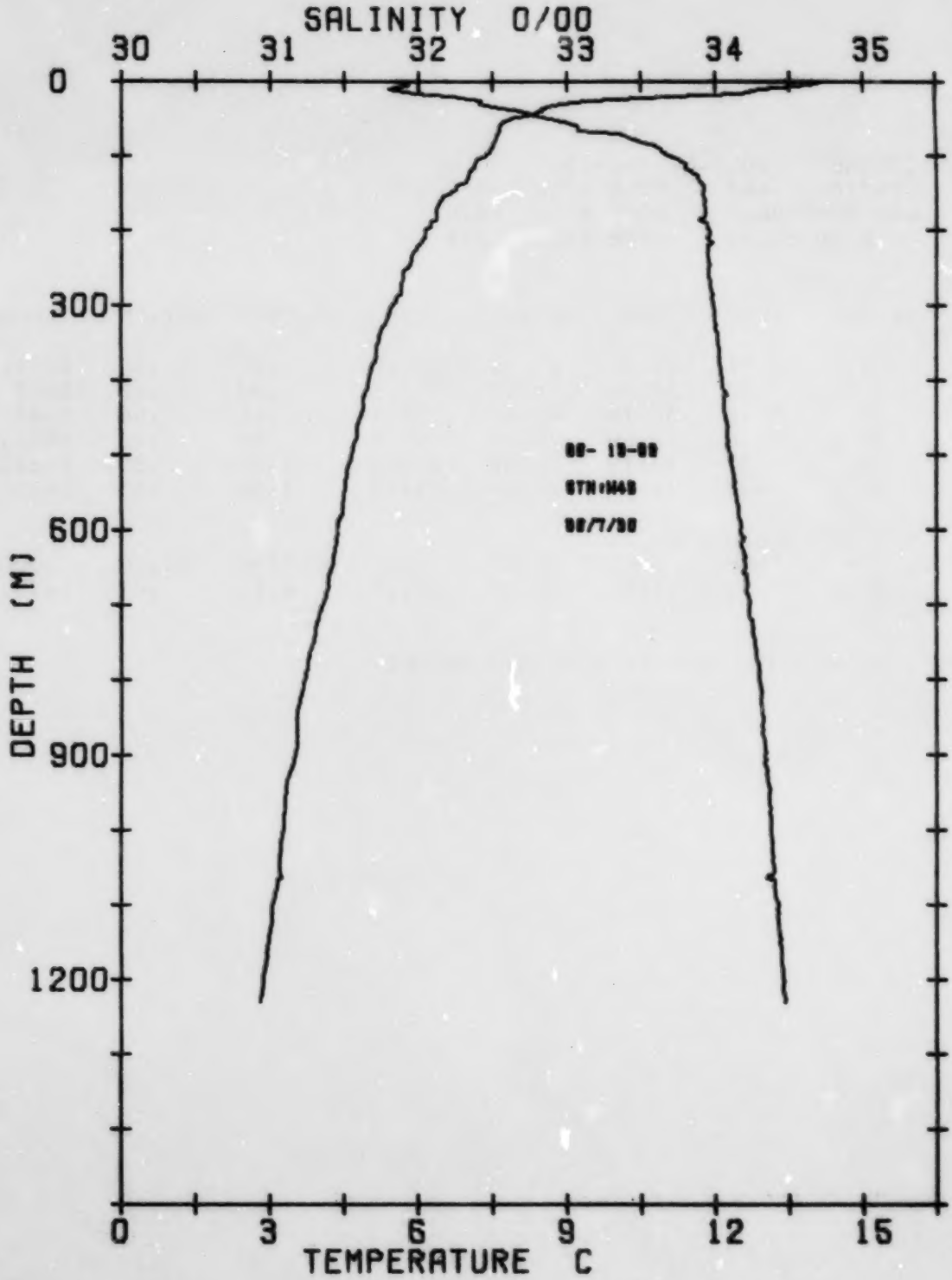
CRUISE : C.O.D.E. 80-13.
STATION: W47 CONS #068
LAT N 50 06.0 LONG W 127 58.0
DATE 80/07/30 TIME (PST) 1514

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.41	32.30	24.44	350.0	.00	.00	1495.5
10	10.10	32.40	24.93	303.8	.33	.02	1487.6
20	8.88	32.76	25.41	258.4	.61	.06	1483.7
30	8.58	32.89	25.55	244.5	.86	.12	1482.9
50	7.97	33.19	25.88	213.9	1.32	.30	1481.2
75	7.57	33.34	26.06	197.3	1.84	.63	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
90.6	7.30	33.51	26.23	181.4	2.14	.87	1479.7

WIND MIXED LAYER DEPTH = 3.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

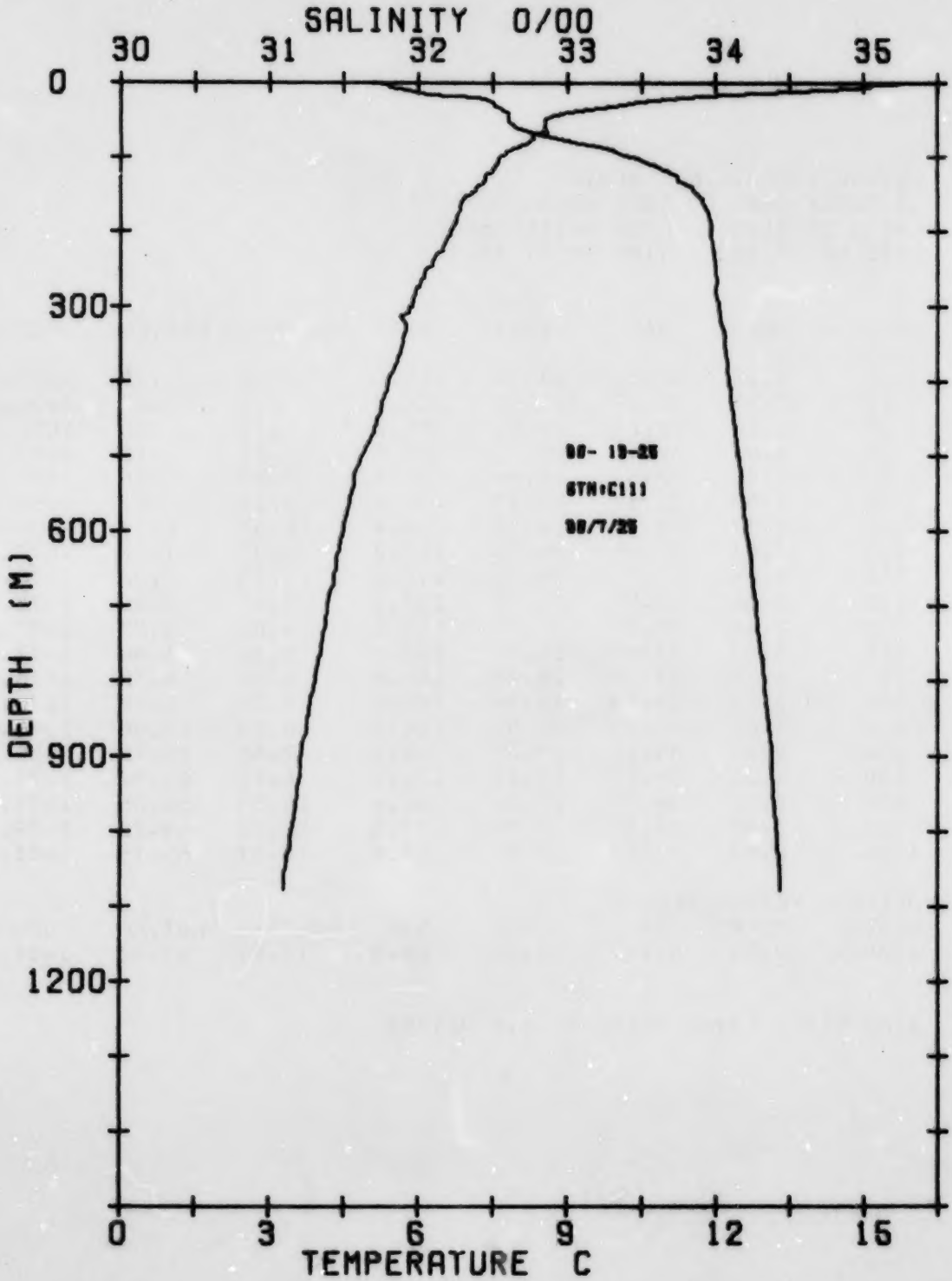
CRUISE : C.O.D.E. 80-13.
STATION: W46 CONS #089
LAT N 50 01.5 LONG W 128 05.5
DATE 80/07/30 TIME (PST) 1829

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.15	31.88	23.77	413.6	.00	.00	1500.8
10	12.93	31.80	23.96	396.2	.40	.02	1496.8
20	11.16	32.21	24.60	335.2	.78	.08	1491.3
30	8.94	32.41	25.12	285.5	1.08	.15	1483.6
50	7.86	32.89	25.66	234.5	1.59	.35	1480.4
75	7.58	33.43	26.13	190.8	2.13	.69	1480.5
100	7.37	33.70	26.37	168.4	2.57	1.07	1480.4
125	7.03	33.88	26.56	150.2	2.97	1.52	1479.7
150	6.65	33.92	26.64	142.8	3.33	2.02	1478.7
175	6.36	33.94	26.70	137.9	3.68	2.59	1478.0
200	6.16	33.97	26.74	133.6	4.03	3.23	1477.6
225	5.97	33.96	26.76	132.3	4.36	3.94	1477.2
250	5.78	33.96	26.78	130.5	4.69	4.72	1476.9
300	5.50	33.99	26.84	125.6	5.33	6.48	1476.6
400	5.00	34.05	26.94	116.2	6.53	10.69	1476.3
500	4.65	34.11	27.03	108.7	7.66	15.76	1476.5
600	4.38	34.17	27.11	101.5	8.71	21.52	1477.2
800	3.73	34.30	27.28	86.4	10.59	34.65	1477.9
1000	3.29	34.38	27.39	77.3	12.22	49.23	1479.4
1200	2.87	34.47	27.50	67.2	13.67	65.15	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1230.4	2.82	34.47	27.50	66.8	13.87	67.63	1481.3

WIND MIXED LAYER DEPTH = 6.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:C111
0
3
6
9
12
15
TEMPERATURE C

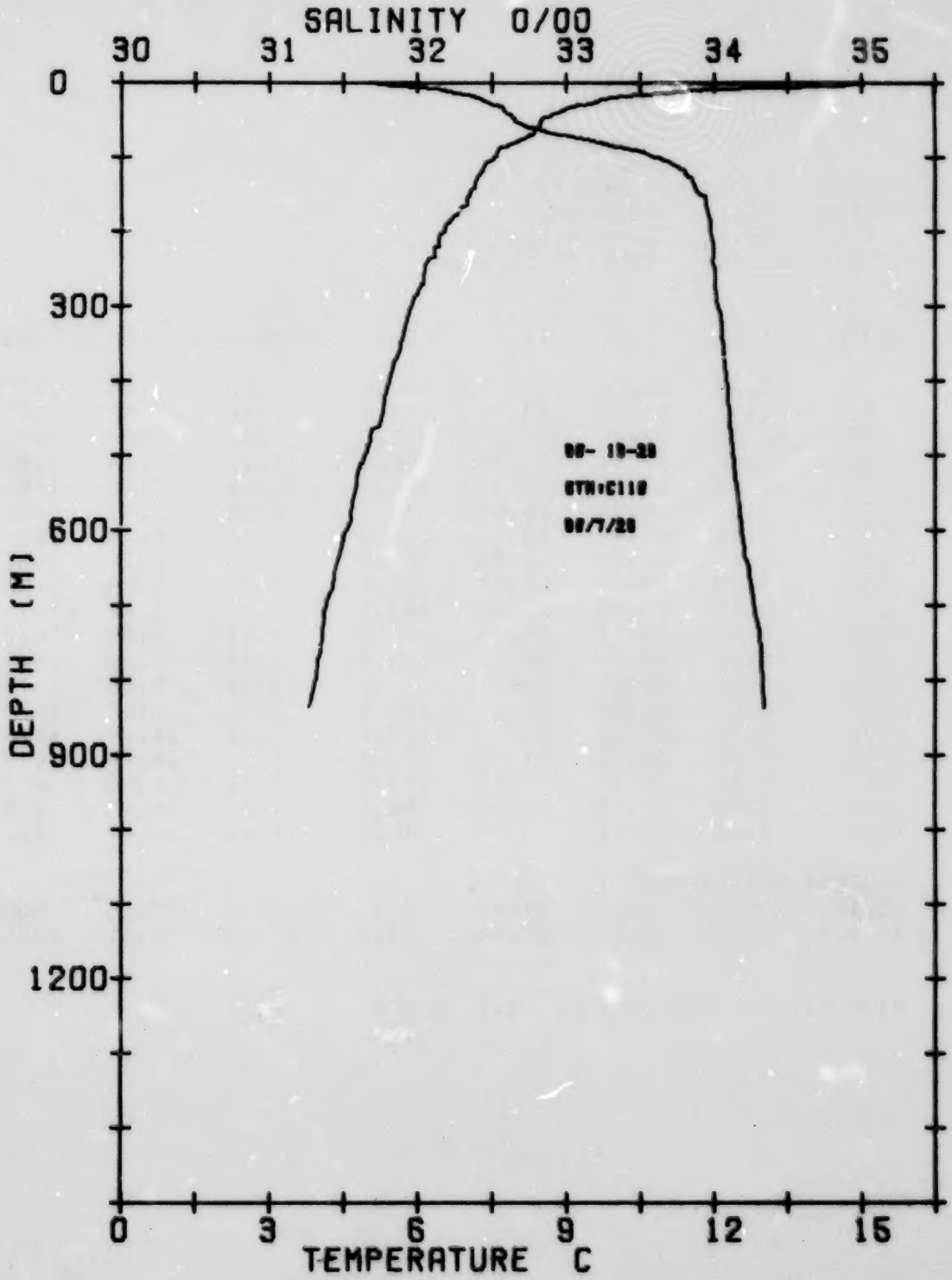
CRUISE : C.O.D.E. 80-13.
STATION: C111 CONS #025
LAT N 48 08.5 LONG W 126 00.0
DATE 80/07/25 TIME (PST) 1926

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	16.32	31.70	23.19	469.5	.00	.00	1507.5
10	14.51	31.90	23.71	419.6	.44	.02	1502.2
20	11.55	32.34	24.63	332.0	.81	.08	1492.9
30	10.22	32.51	24.99	297.8	1.13	.15	1488.5
50	8.59	32.60	25.33	266.3	1.68	.38	1482.9
75	8.30	32.93	25.63	238.1	2.32	.77	1482.6
100	7.68	33.42	26.11	192.9	2.86	1.24	1481.2
125	7.40	33.73	26.39	166.8	3.31	1.74	1481.0
150	7.07	33.87	26.55	151.9	3.71	2.29	1480.3
175	6.81	33.95	26.64	143.0	4.07	2.88	1479.8
200	6.67	33.97	26.68	140.3	4.43	3.55	1479.7
225	6.49	33.99	26.71	136.9	4.77	4.28	1479.3
250	6.19	34.00	26.76	132.5	5.11	5.08	1478.6
300	5.87	34.02	26.82	127.7	5.76	6.87	1478.1
400	5.41	34.09	26.93	117.9	6.99	11.15	1478.0
500	4.88	34.15	27.04	107.9	8.12	16.25	1477.5
600	4.48	34.20	27.13	100.5	9.16	21.96	1477.6
800	3.92	34.33	27.29	86.5	11.03	34.98	1478.7
1000	3.45	34.41	27.40	76.5	12.65	49.57	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1078.0	3.29	34.44	27.44	73.3	13.23	55.61	1480.8

WIND MIXED LAYER DEPTH = 5.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

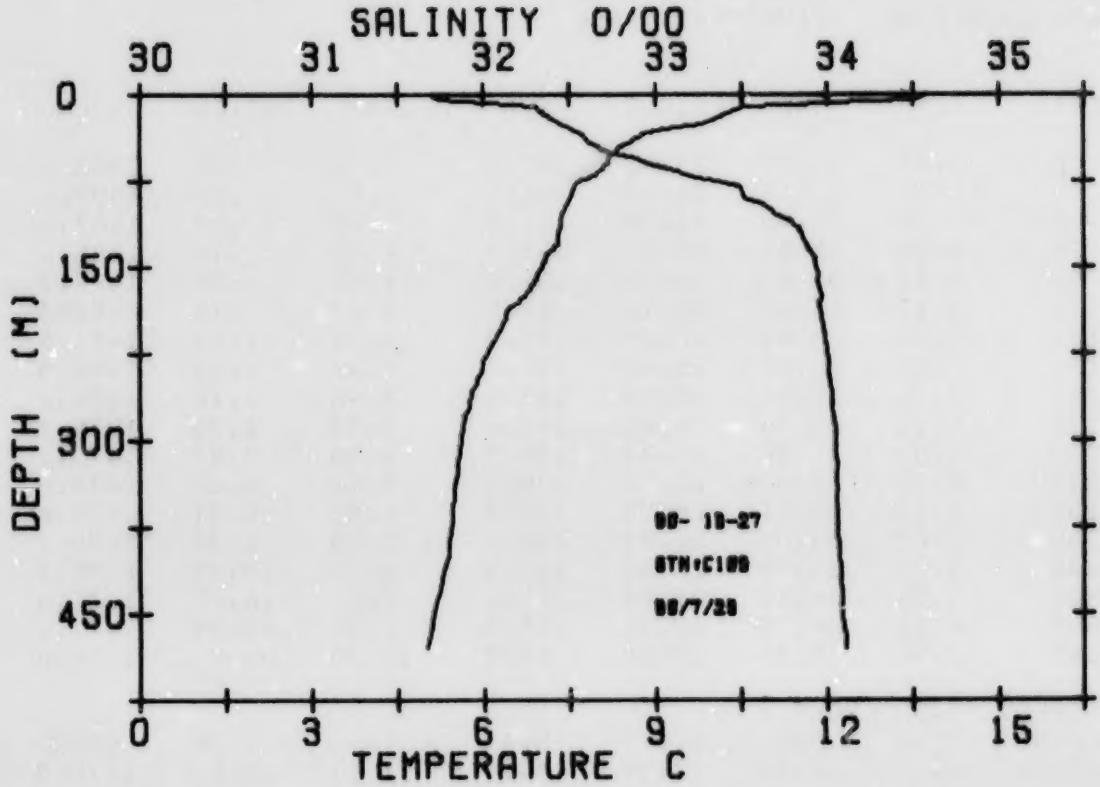
CRUISE : C.O.D.E. 80-13.
STATION: C110 CONS #026
LAT N 48 10.6 LONG W 125 56.2
DATE 80/07/26 TIME (PST) 0456

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.09	31.67	23.42	447.6	.00	.00	1503.6
10	11.64	32.17	24.49	345.9	.40	.02	1492.8
20	10.00	32.40	24.95	301.5	.72	.07	1487.4
30	9.36	32.52	25.15	283.3	1.02	.14	1485.4
50	8.52	32.65	25.38	261.4	1.56	.36	1482.7
75	8.17	33.10	25.78	223.5	2.17	.74	1482.3
100	7.56	33.61	26.27	177.7	2.67	1.17	1481.0
125	7.26	33.82	26.48	157.7	3.08	1.63	1480.5
150	7.04	33.91	26.58	148.5	3.46	2.16	1480.2
175	6.82	33.96	26.65	142.4	3.83	2.75	1479.8
200	6.55	33.98	26.70	138.0	4.18	3.40	1479.2
225	6.34	34.00	26.74	134.1	4.52	4.12	1478.8
250	6.15	34.01	26.78	131.3	4.85	4.91	1478.4
300	5.87	34.03	26.83	126.7	5.50	6.70	1478.2
400	5.43	34.09	26.93	117.9	6.72	10.97	1478.1
500	4.94	34.13	27.02	110.0	7.87	16.12	1477.8
600	4.56	34.19	27.11	102.5	8.93	21.94	1477.9
800	3.94	34.33	27.28	86.7	10.79	34.95	1478.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
837.0	3.82	34.34	27.30	84.9	11.11	37.55	1478.9

WIND MIXED LAYER DEPTH = 4.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

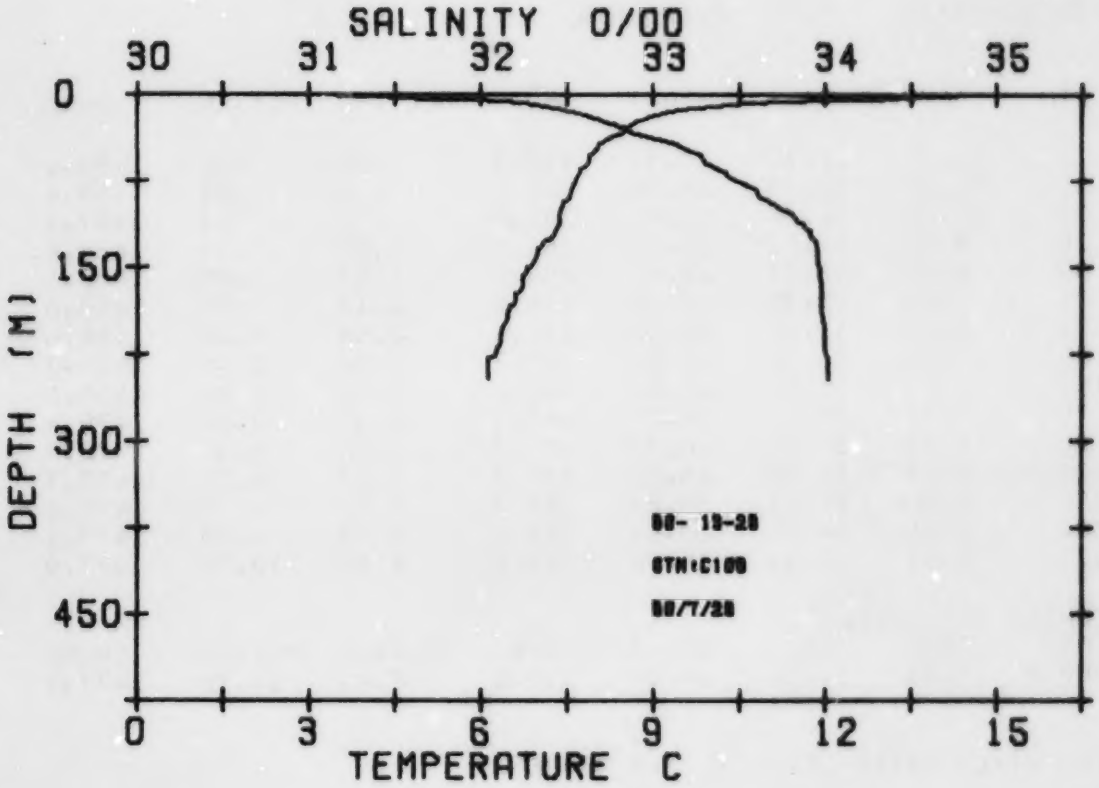
CRUISE : C.O.D.E. 80-13.
STATION: C109 CONS #027
LAT N 48 12.9 LONG W 125 52.0
DATE 80/07/26 TIME (PST) 0614

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.78	31.70	23.71	419.3	.00	.00	1499.4
10	10.69	32.29	24.74	321.4	.39	.02	1489.6
20	10.14	32.38	24.91	305.9	.70	.07	1487.9
30	9.16	32.52	25.18	280.5	1.00	.14	1484.6
50	8.32	32.71	25.45	254.4	1.53	.35	1482.0
75	7.69	33.35	26.05	198.0	2.10	.70	1480.8
100	7.41	33.68	26.35	170.4	2.55	1.10	1480.6
125	7.29	33.86	26.50	155.7	2.96	1.55	1480.7
150	7.03	33.94	26.60	146.6	3.33	2.07	1480.2
175	6.71	33.97	26.67	140.4	3.69	2.66	1479.4
200	6.33	33.98	26.73	135.3	4.04	3.30	1478.3
225	6.07	34.00	26.78	130.3	4.37	4.01	1477.7
250	5.89	34.02	26.82	127.3	4.69	4.77	1477.4
300	5.60	34.05	26.88	122.1	5.31	6.48	1477.1
400	5.39	34.07	26.92	119.2	6.52	10.70	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
480.0	5.01	34.11	26.99	112.6	7.45	14.78	1477.7

WIND MIXED LAYER DEPTH = 3.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

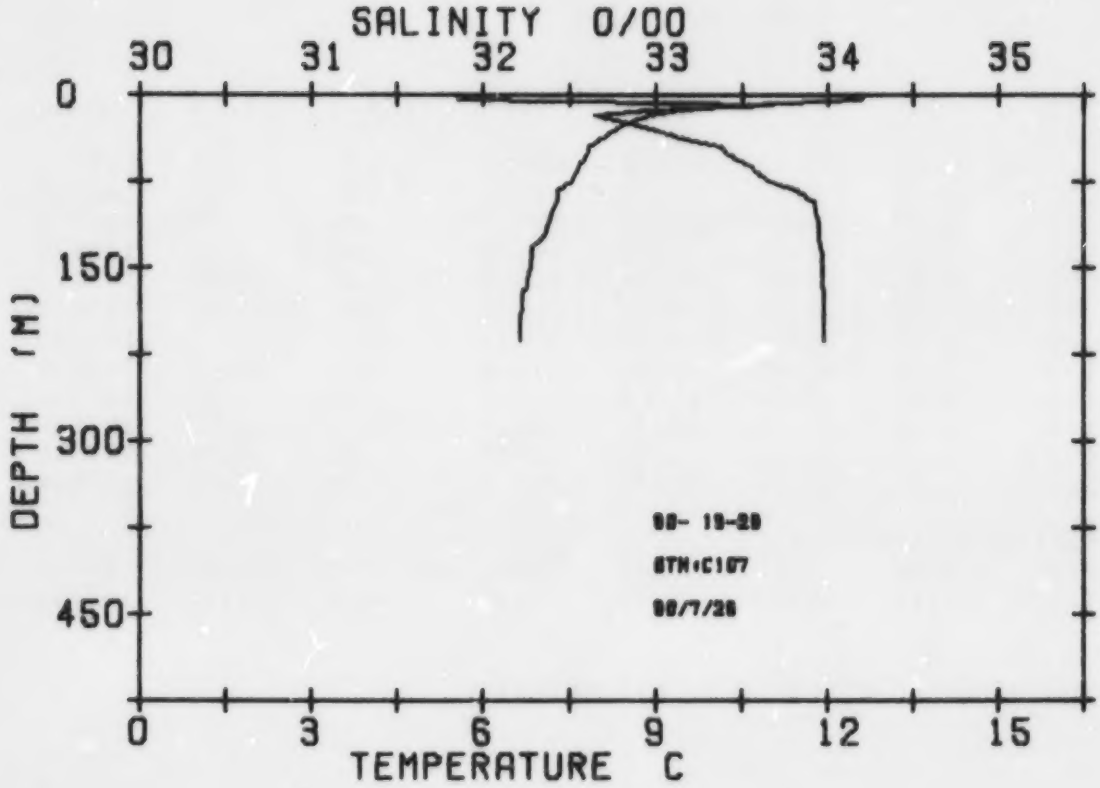
CRUISE : C.O.D.E. 80-13.
STATION: C108 CONS #028
LAT N 48 15.1 LONG W 125 47.7
DATE 80/07/26 TIME (PST) 0724

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.70	31.02	23.02	486.0	.00	.00	1501.6
10	10.13	32.35	24.89	307.7	.38	.02	1487.6
20	8.87	32.66	25.33	265.7	.66	.06	1483.5
30	8.49	32.85	25.54	246.0	.92	.12	1482.5
50	7.95	33.23	25.92	210.2	1.37	.30	1481.2
75	7.63	33.49	26.17	186.8	1.87	.61	1480.7
100	7.38	33.76	26.41	164.1	2.31	1.00	1480.5
125	7.18	33.93	26.58	148.9	2.70	1.43	1480.4
150	6.80	33.97	26.66	141.3	3.06	1.93	1479.3
175	6.60	33.98	26.69	138.3	3.41	2.50	1479.0
200	6.39	34.00	26.73	134.7	3.75	3.14	1478.6
225	6.24	34.01	26.76	132.1	4.08	3.85	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
246.0	6.11	34.02	26.79	130.0	4.36	4.49	1478.2

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

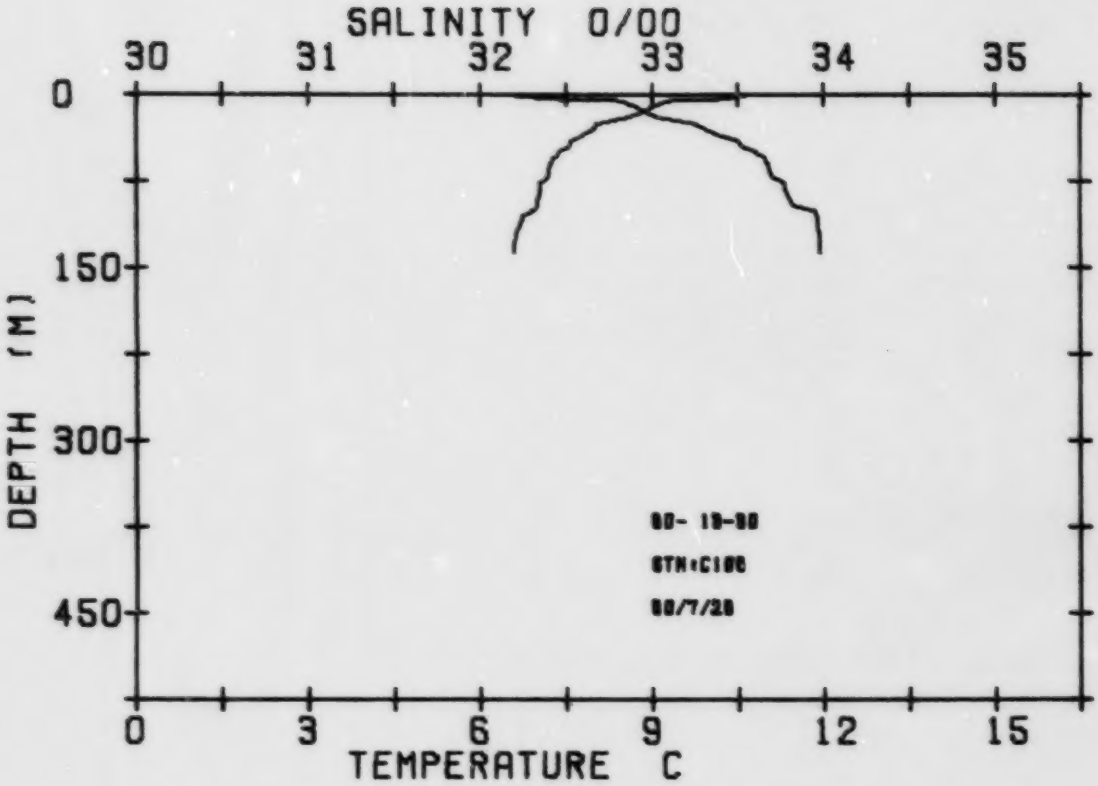
CRUISE : C.O.D.E. 80-13.
STATION: C107 CONS #029
LAT N 48 18.5 LONG W 125 41.1
DATE 80/07/26 TIME (PST) 0850

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.63	31.85	24.05	387.1	.00	.00	1495.7
10	10.22	33.50	25.77	224.1	.34	.02	1489.4
20	8.76	32.69	25.37	261.5	.59	.05	1483.1
30	8.27	32.98	25.67	233.1	.84	.12	1481.8
50	7.78	33.41	26.09	194.2	1.26	.28	1480.8
75	7.48	33.67	26.33	171.4	1.72	.57	1480.4
100	7.20	33.93	26.57	148.9	2.11	.91	1480.0
125	6.98	33.95	26.62	144.6	2.47	1.32	1479.6
150	6.80	33.97	26.66	141.3	2.83	1.81	1479.3
175	6.67	33.98	26.68	139.1	3.18	2.38	1479.2
200	6.64	33.98	26.69	139.1	3.53	3.04	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
213.0	6.64	33.98	26.69	139.3	3.71	3.40	1479.8

WIND MIXED LAYER DEPTH = 3.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

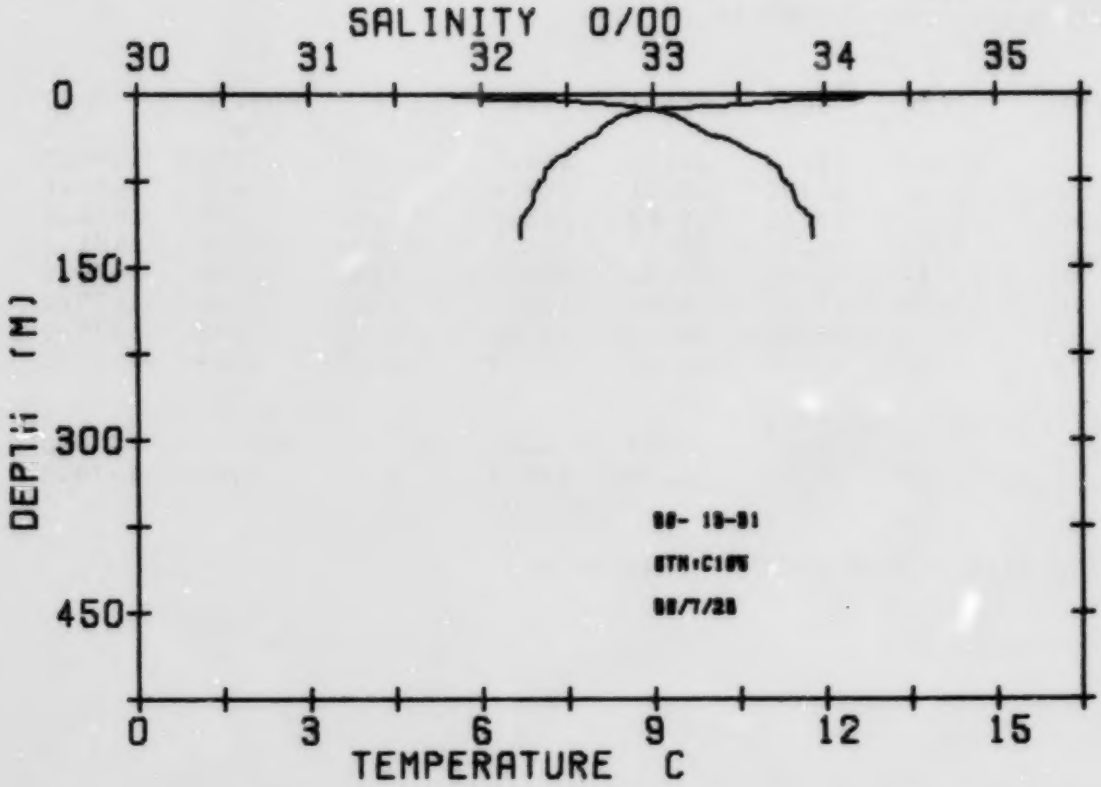
CRUISE : C.O.D.E. 80-13.
STATION: C106 CONS #030
LAT N 48 22.5 LONG W 125 34.1
DATE 80/07/26 TIME (PST) 1144

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.82	32.10	24.58	336.7	.00	.00	1489.7
10	8.98	32.91	25.51	248.4	.28	.01	1484.1
20	8.58	33.03	25.67	233.7	.52	.05	1482.9
30	7.94	33.31	25.98	204.0	.74	.10	1481.0
50	7.38	33.61	26.30	174.3	1.11	.25	1479.5
75	7.08	33.76	26.46	159.2	1.53	.51	1479.0
100	6.89	33.95	26.63	143.2	1.92	.85	1478.9
125	6.59	33.98	26.70	137.4	2.27	1.24	1478.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
137.0	6.58	33.98	26.70	137.5	2.43	1.46	1478.3

WIND MIXED LAYER DEPTH = 2.2 METRES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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

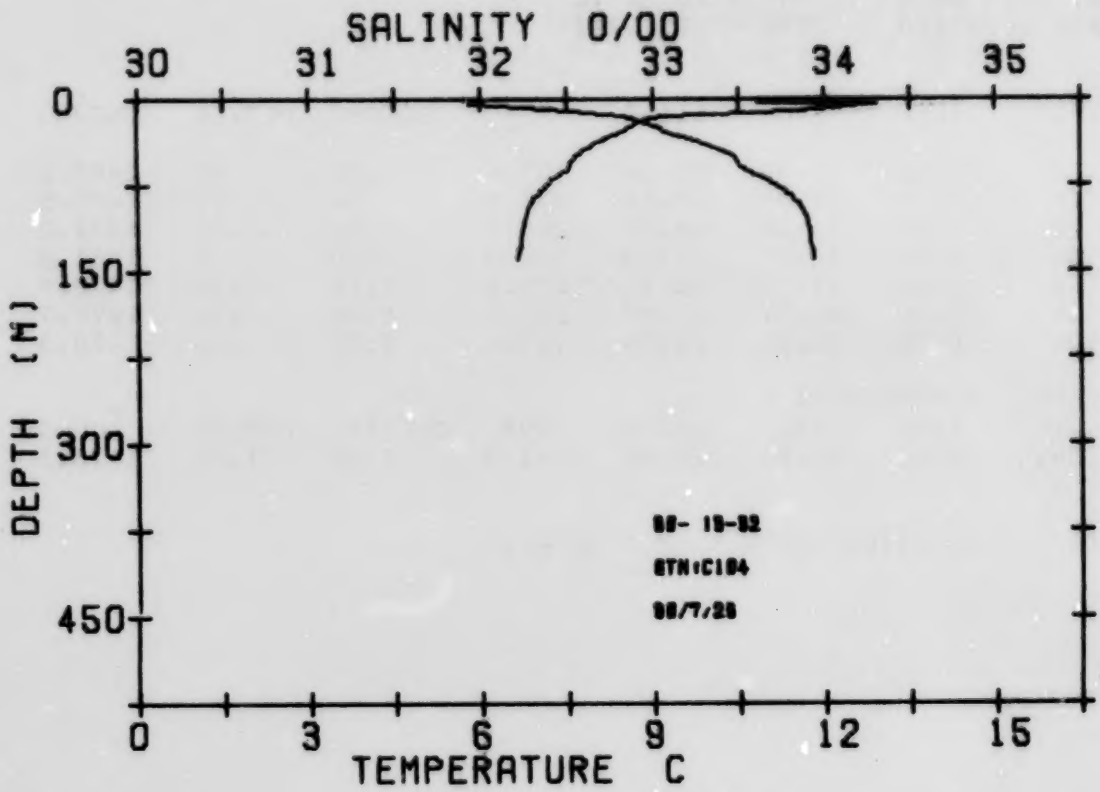
CRUISE : C.O.D.E. 80-13.
STATION: C105 CONS #031
LAT N 48 25.5 LONG W 125 28.2
DATE 80/07/26 TIME (PST) 1247

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.10	31.69	23.84	407.4	.00	.00	1497.1
10	10.20	32.84	25.26	272.4	.34	.02	1488.5
20	8.35	33.16	25.80	220.7	.58	.05	1482.2
30	8.08	33.27	25.93	208.9	.79	.10	1481.5
50	7.50	33.57	26.25	178.5	1.18	.26	1479.9
75	7.02	33.77	26.47	158.0	1.59	.52	1478.7
100	6.78	33.88	26.59	147.0	1.97	.85	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
124.0	6.65	33.93	26.65	141.9	2.32	1.23	1478.3

WIND MIXED LAYER DEPTH = 3.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
STN:C184
0
3
6
9
12
15
TEMPERATURE C

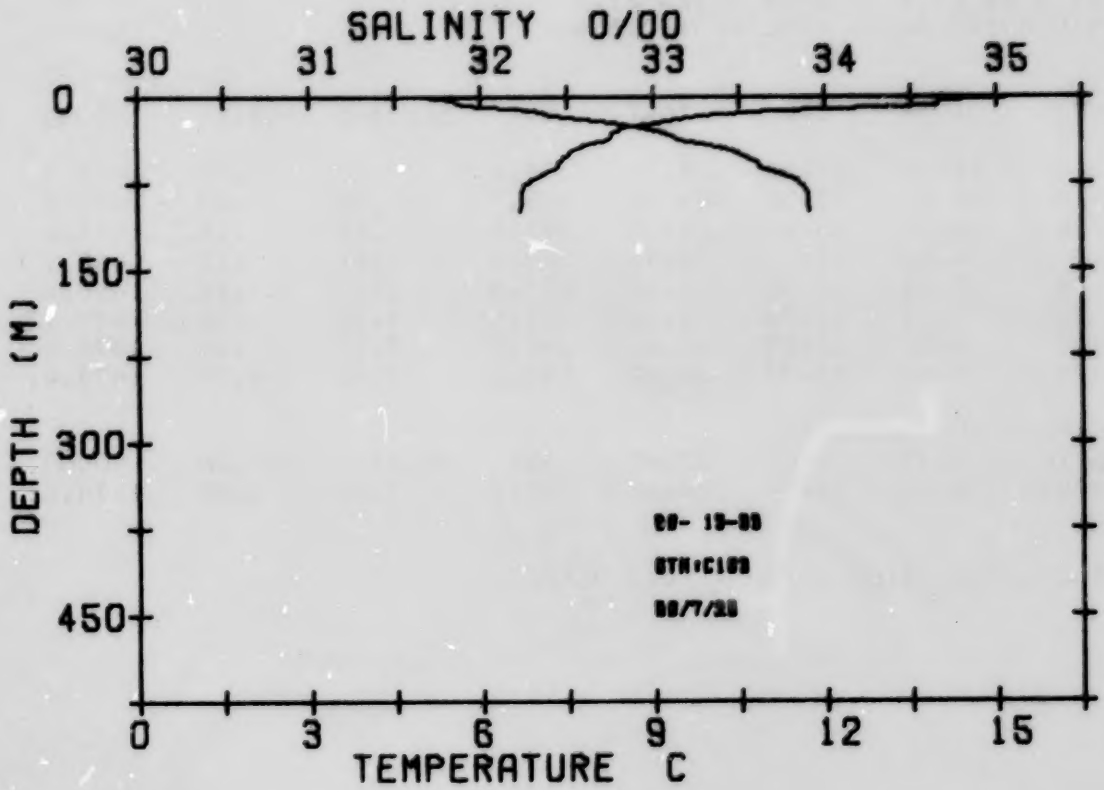
CRUISE : C.O.D.E. 80-13.
STATION: C104 CONS #032
LAT N 48 29.4 LONG W 125 21.2
DATE 80/07/26 TIME (PST) 1346

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.92	31.90	24.22	370.8	.00	.00	1493.3
10	11.51	32.52	24.78	318.0	.36	.02	1492.8
20	8.74	32.93	25.56	243.5	.63	.06	1483.4
30	8.40	33.09	25.74	226.9	.86	.11	1482.5
50	7.64	33.48	26.16	187.5	1.27	.28	1480.4
75	7.13	33.72	26.42	163.1	1.72	.55	1479.1
100	6.80	33.89	26.60	146.0	2.10	.89	1478.4
125	6.69	33.92	26.64	142.8	2.46	1.29	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
139.0	6.63	33.94	26.66	141.1	2.66	1.55	1478.5

WIND MIXED LAYER DEPTH = 2.3 METRES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30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

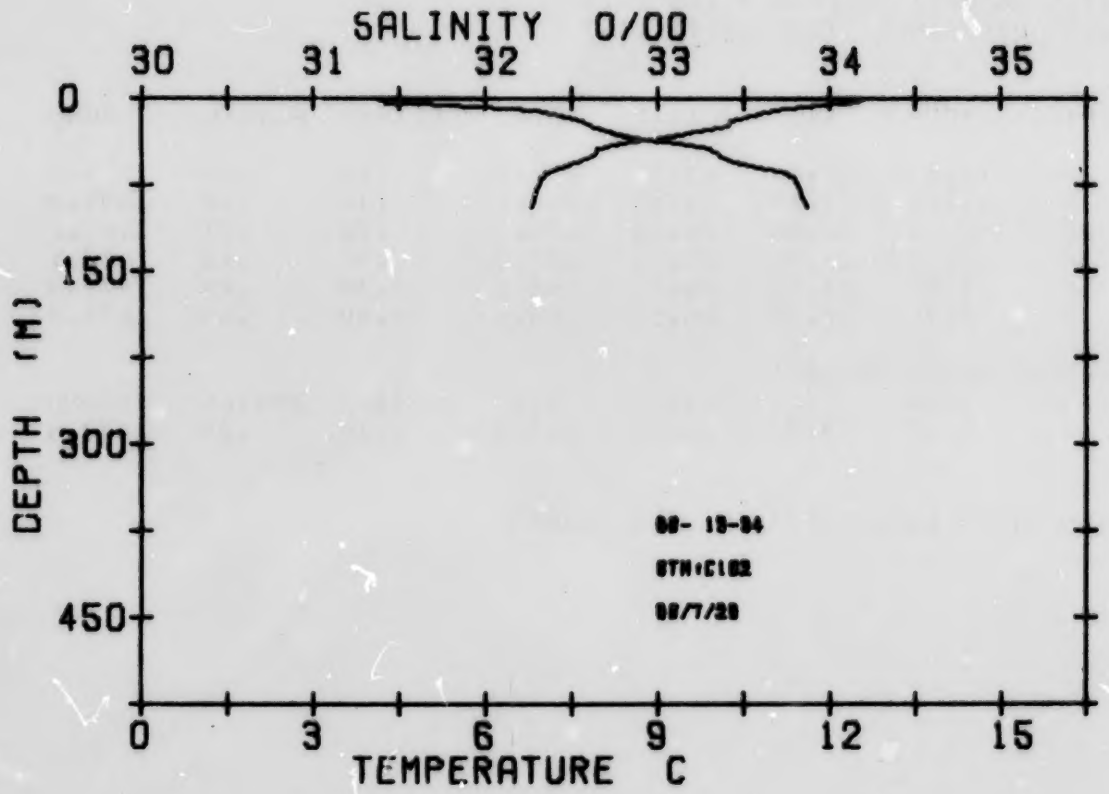
CRUISE : C.O.D.E. 80-13.
STATION: C103 CONS #033
LAT N 48 32.1 LONG W 125 15.5
DATE 80/07/26 TIME (PST) 1357

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.54	31.66	23.35	454.3	.00	.00	1505.0
10	12.24	32.15	24.35	359.1	.40	.02	1494.8
20	9.34	32.62	25.23	275.0	.72	.07	1485.2
30	8.33	33.02	25.70	230.9	.97	.13	1482.1
50	7.50	33.52	26.21	182.5	1.38	.29	1479.9
75	6.79	33.86	26.57	148.4	1.80	.55	1478.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
99.0	6.67	33.91	26.63	143.3	2.15	.85	1477.9

WIND MIXED LAYER DEPTH = 5.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

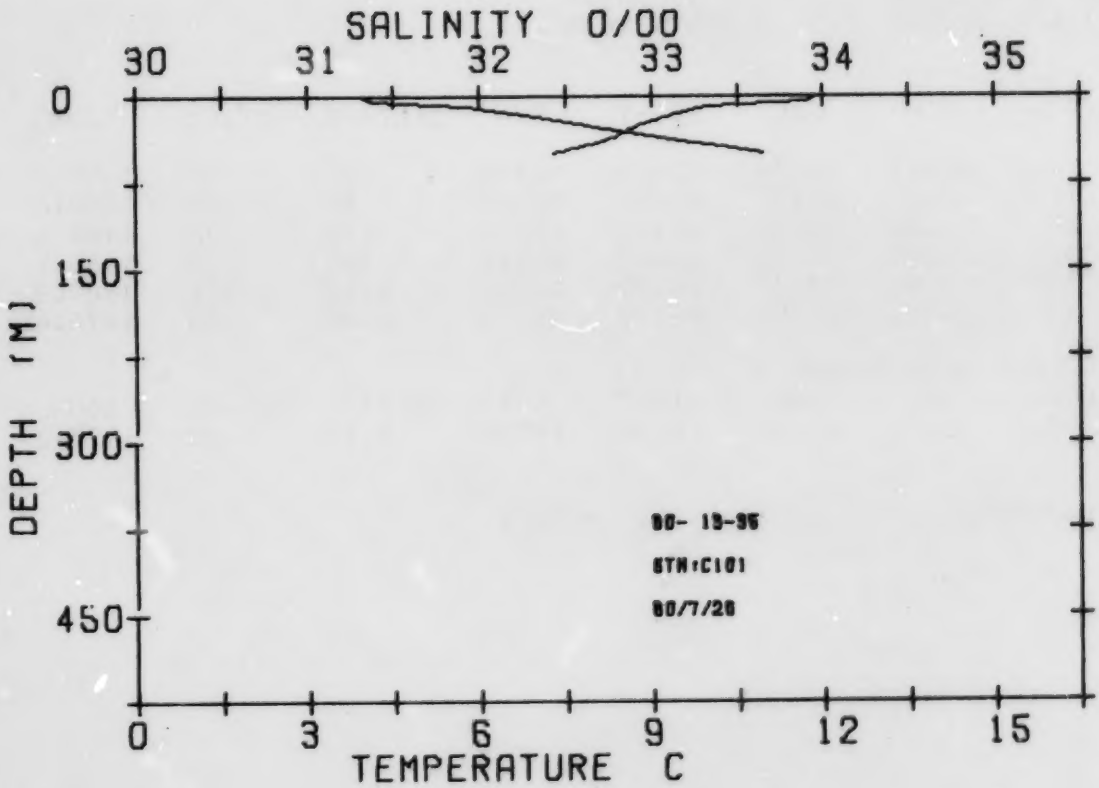
CRUISE : C.O.D.E. 80-13.
STATION: C102 CONS #034
LAT N 48 35.5 LONG W 125 09.0
DATE 80/07/26 TIME (PST) 1636

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.67	31.34	23.65	425.0	.00	.00	1495.2
10	10.97	32.30	24.70	325.0	.39	.02	1490.6
20	10.24	32.57	25.04	293.3	.70	.06	1488.5
30	9.50	32.74	25.29	269.2	.98	.13	1486.1
50	7.82	33.37	26.05	198.0	1.43	.31	1480.9
75	6.91	33.81	26.52	153.2	1.86	.58	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
94.0	6.78	33.87	26.58	147.6	2.15	.82	1478.2

WIND MIXED LAYER DEPTH = 4.0 METRES

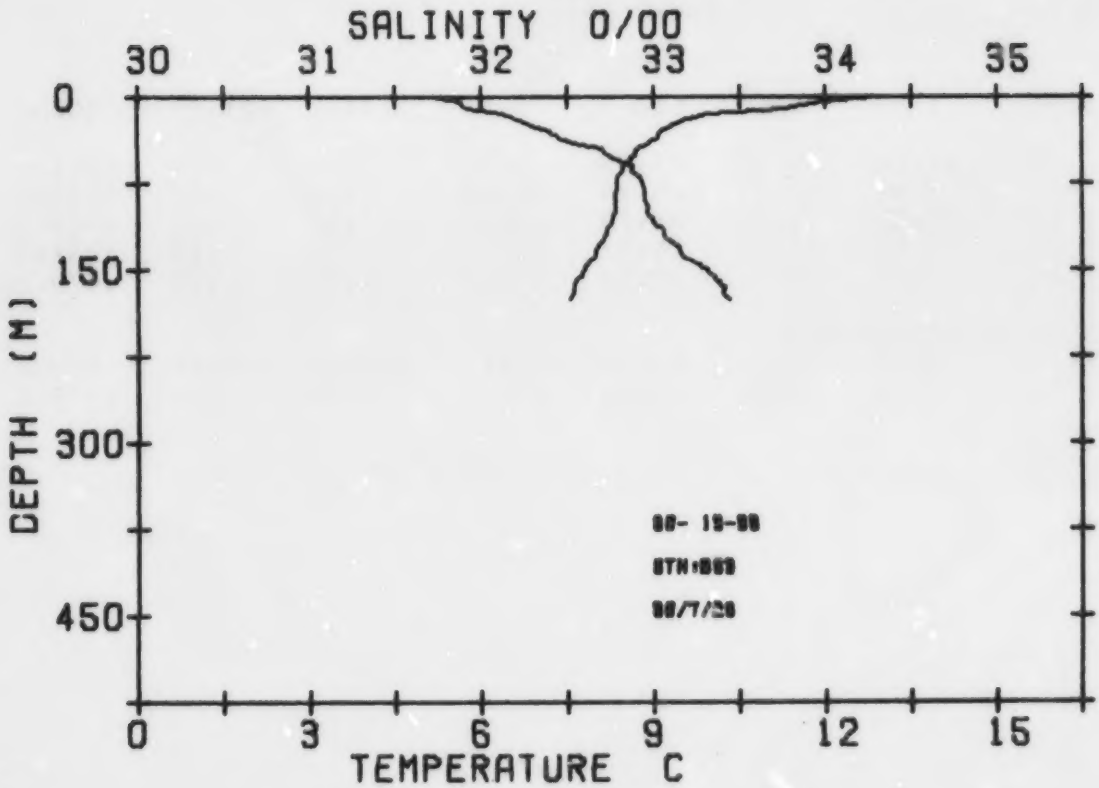

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-96
STN:C101
80/7/28
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: C101 CONS #035
LAT N 48 39.0 LONG W 125 02.5
DATE 80/07/26 TIME (PST) 1729

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.86	31.32	23.79	412.0	.00	.00	1492.4
10	9.84	31.97	24.64	331.3	.38	.02	1486.1
20	9.05	32.44	25.13	284.7	.69	.06	1483.9
30	8.56	32.78	25.47	252.1	.96	.13	1482.7
50	7.29	33.65	26.34	170.1	1.38	.30	1479.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
50.0	7.29	33.65	26.34	170.1	1.38	.30	1479.2

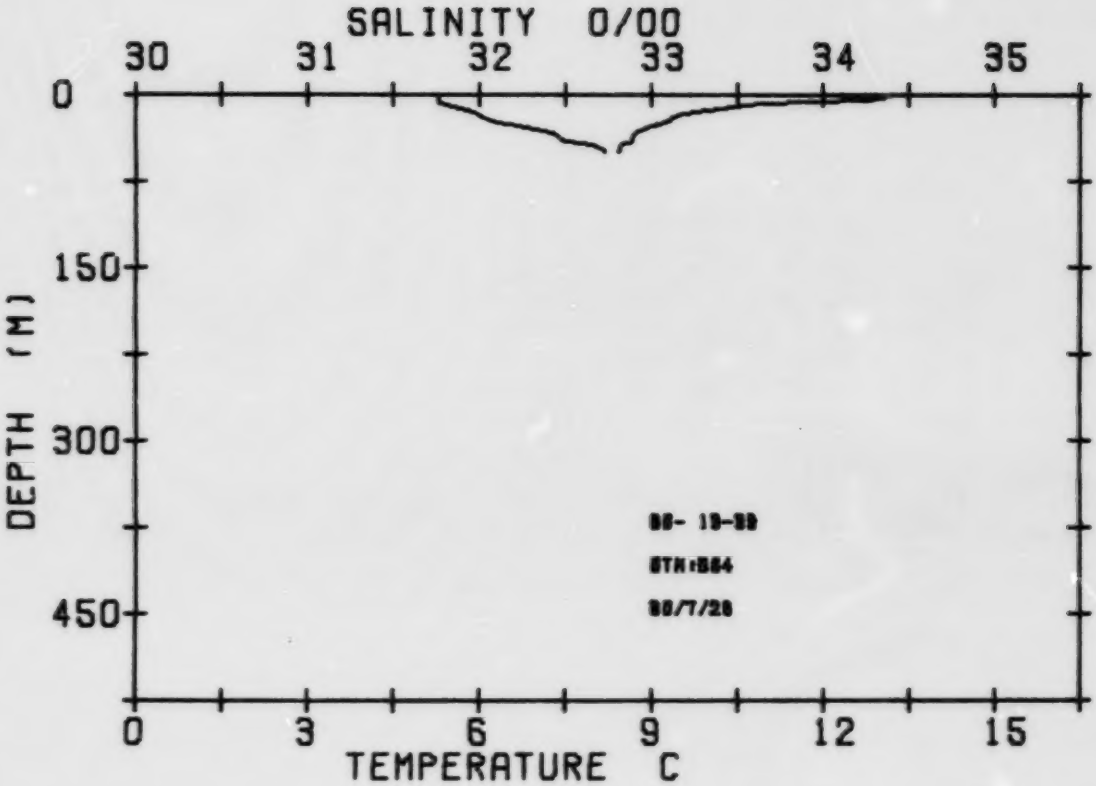

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: BS3 CONS #038
LAT N 48 40.4 LONG W 125 34.5
DATE 80/07/26 TIME (PST) 2103

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.86	31.72	23.93	399.0	.00	.00	1496.3
10	11.34	31.92	24.34	359.4	.38	.02	1491.4
20	9.53	32.22	24.89	307.7	.70	.07	1485.4
30	9.13	32.40	25.09	289.0	1.00	.14	1484.3
50	8.66	32.74	25.42	257.2	1.55	.36	1483.3
75	8.37	32.94	25.63	238.3	2.16	.74	1482.9
100	8.34	32.96	25.65	236.8	2.76	1.26	1483.2
125	8.12	33.09	25.78	224.5	3.33	1.91	1482.9
150	7.79	33.31	26.00	203.9	3.87	2.65	1482.4
175	7.56	33.44	26.14	191.4	4.36	3.44	1482.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
175.1	7.56	33.44	26.14	191.3	4.36	3.45	1482.0

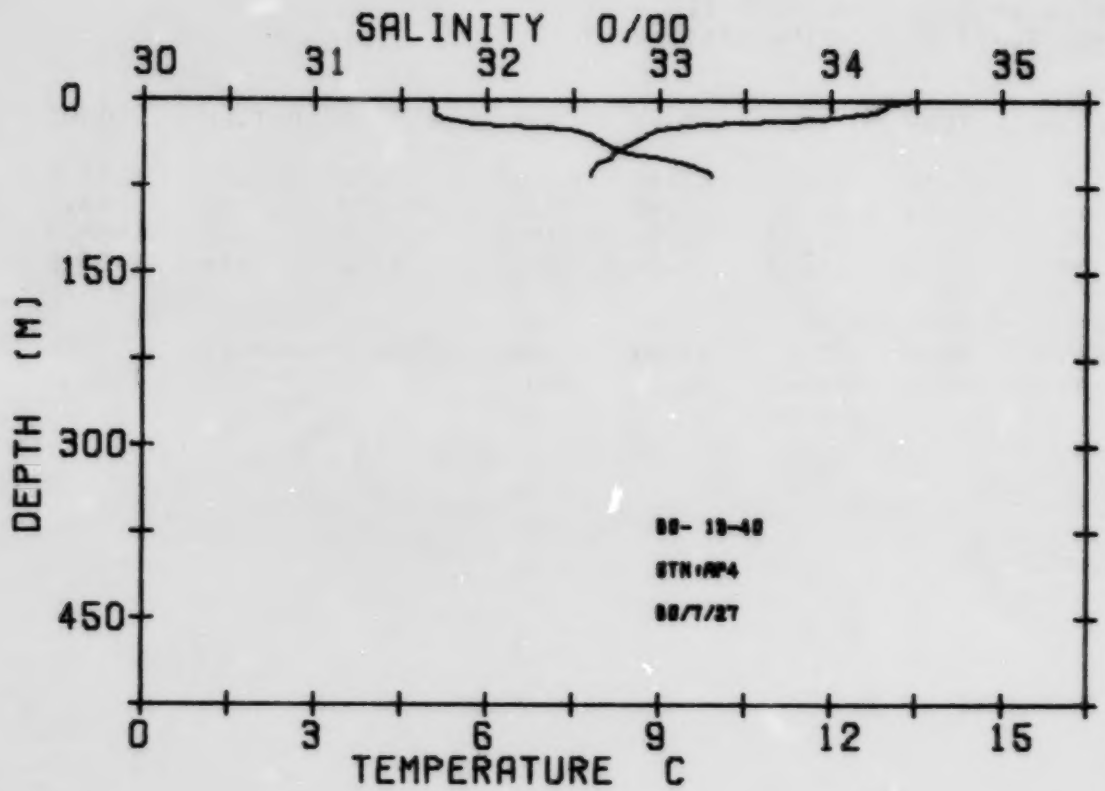

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: BS4 CONS #039
LAT N 48 36.4 LONG W 125 40.1
DATE 80/07/26 TIME (PST) 2247

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.32	31.76	23.85	406.3	.00	.00	1497.9
10	10.54	31.84	24.42	352.3	.38	.02	1488.5
20	9.40	32.03	24.76	319.9	.72	.07	1484.7
30	8.86	32.34	25.08	289.3	1.02	.14	1483.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
49.0	8.44	32.73	25.45	254.5	1.54	.35	1482.4

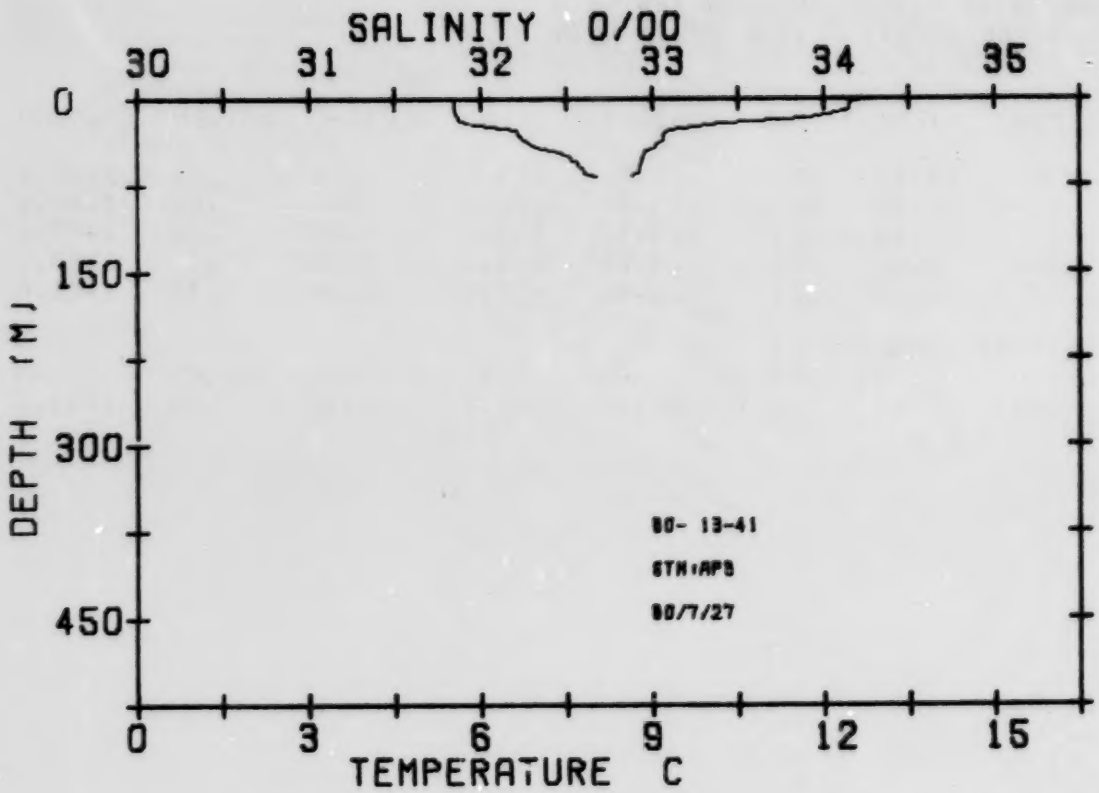

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
STN:RP4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: AP4 CONS #040
LAT N 48 41.5 LONG W 125 52.5
DATE 80/07/27 TIME (PST) 0034

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.49	31.68	23.76	415.2	.00	.00	1498.4
10	12.84	31.69	23.89	402.8	.41	.02	1496.4
20	10.19	31.89	24.52	343.0	.79	.08	1487.4
30	8.81	32.59	25.29	269.6	1.08	.15	1483.4
50	8.17	32.99	25.69	231.4	1.59	.35	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
66.0	7.80	33.31	26.00	202.6	1.93	.55	1481.0

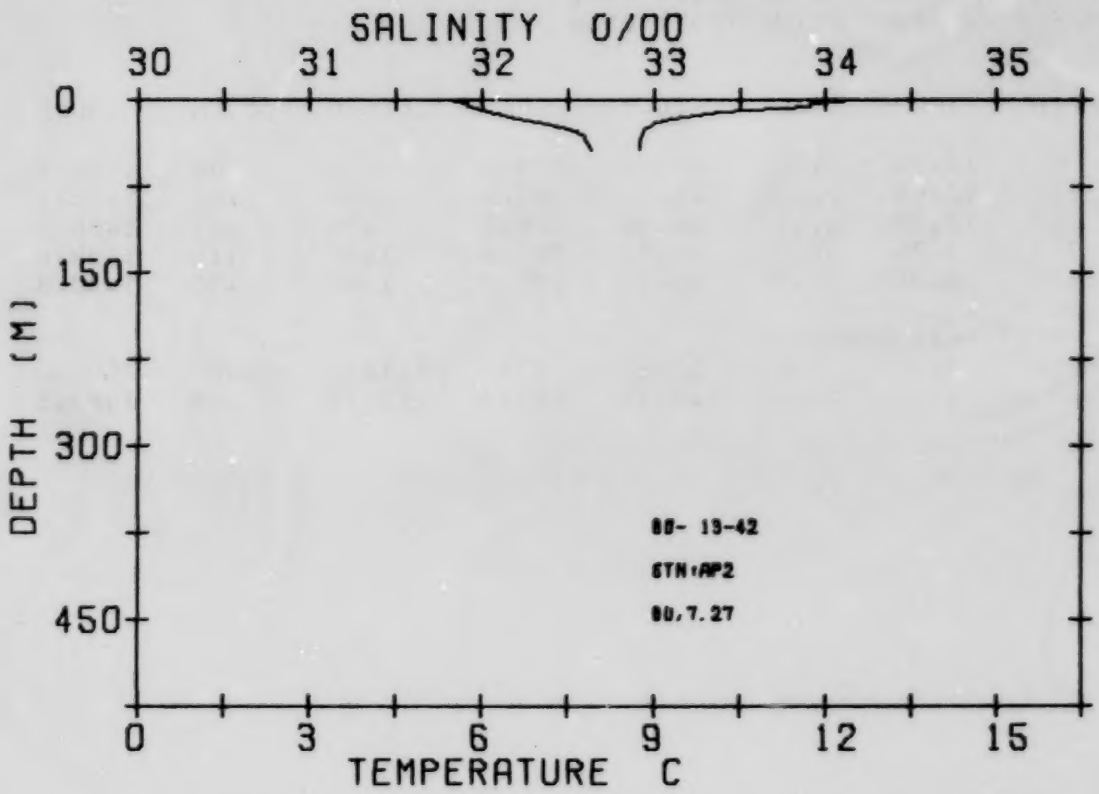

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-41
STN:AP8
80/7/27
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: AP3 CONS #041
LAT N 48 45.4 LONG W 125 47.1
DATE 80/07/27 TIME (PST) 0134

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.76	31.84	24.02	390.0	.00	.00	1496.1
10	12.43	31.85	24.09	383.6	.38	.02	1495.1
20	10.57	31.90	24.46	348.2	.75	.07	1488.8
30	9.24	32.22	24.93	303.4	1.08	.15	1484.5
50	8.86	32.51	25.22	277.0	1.66	.39	1483.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
67.0	8.65	32.67	25.37	262.3	2.12	.66	1483.5

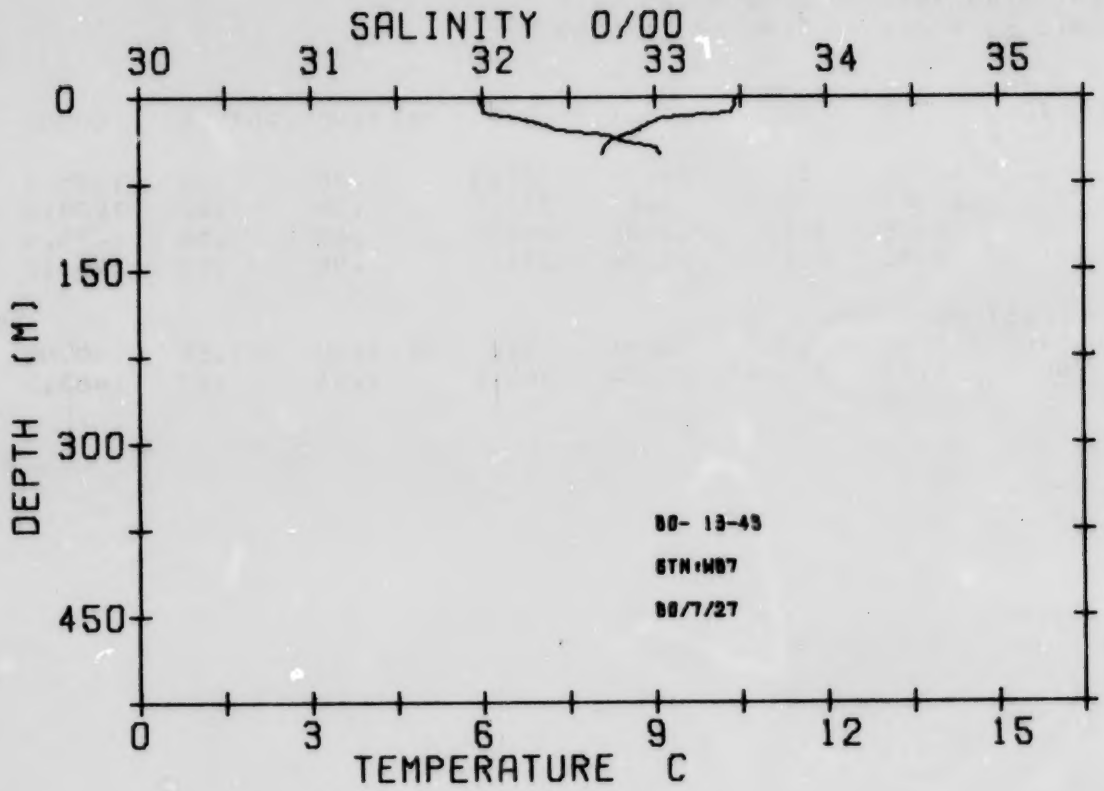

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 19-42
STN:AP2
80.7.27
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: AP2 CONS #042
LAT N 48 49.3 LONG W 125 41.4
DATE 80/07/27 TIME (PST) 0233

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.57	31.81	24.04	387.9	.00	.00	1495.4
10	10.48	32.02	24.57	337.6	.36	.02	1488.5
20	9.05	32.34	25.06	291.5	.67	.06	1483.8
30	8.80	32.57	25.28	271.0	.95	.13	1483.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
44.0	8.72	32.64	25.34	265.2	1.33	.27	1483.3

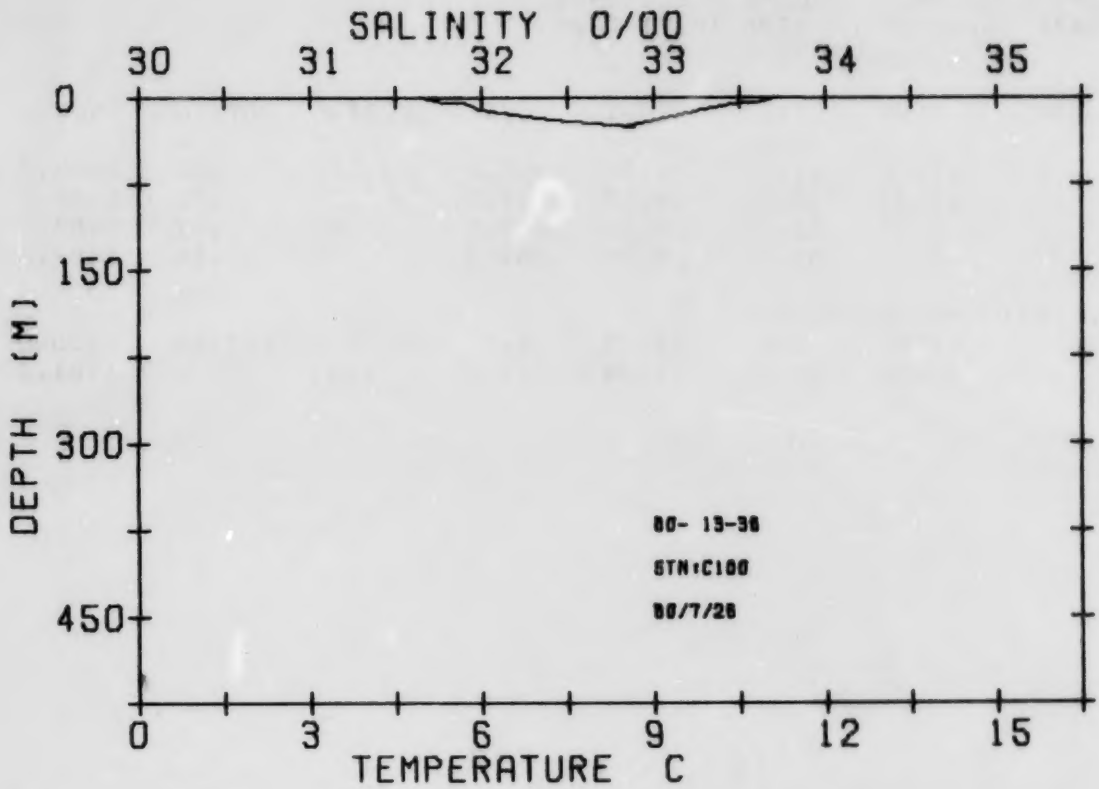

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-43
STN:WB7
88/7/27
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: W87 CONS #043
LAT N 48 54.5 LONG W 125 54.6
DATE 80/07/27 TIME (PST) 0429

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.46	31.98	24.54	340.1	.00	.00	1488.2
10	10.39	32.00	24.57	337.7	.34	.02	1488.1
20	9.05	32.26	24.99	298.1	.66	.07	1483.7
30	8.62	32.55	25.29	269.8	.94	.14	1482.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
49.0	8.08	33.03	25.74	227.1	1.41	.32	1481.5

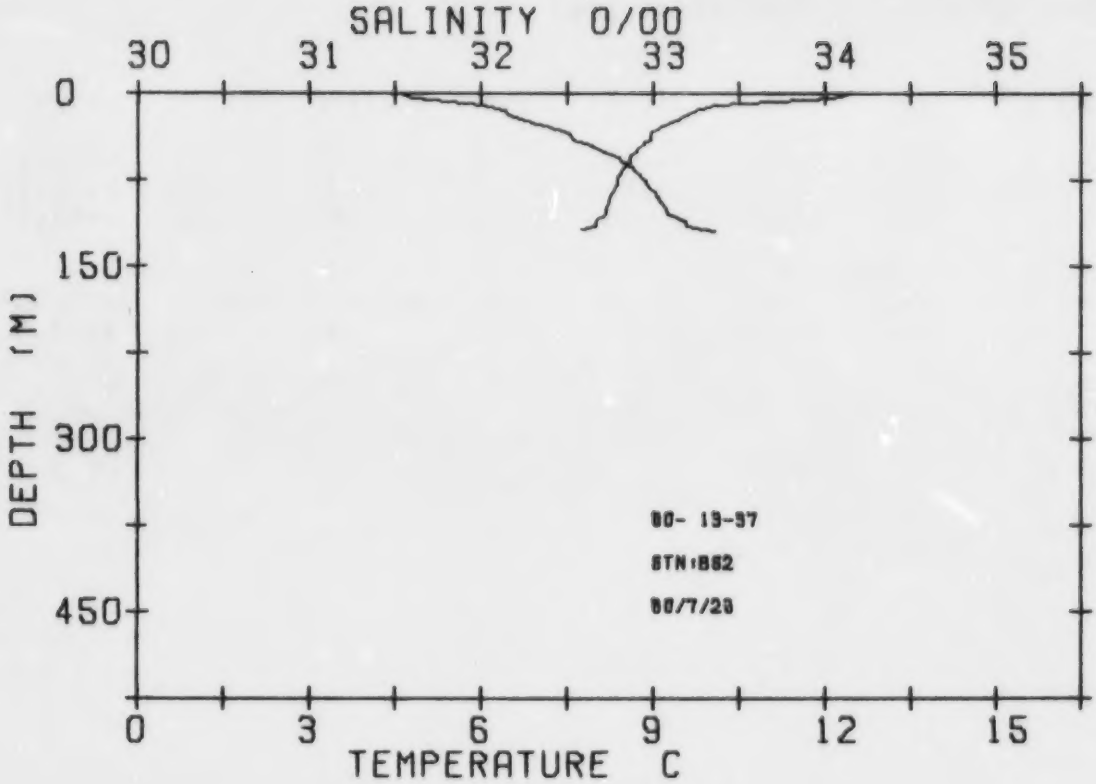

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-36
STN:C100
80/7/26
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: C100 CONS #036
LAT N 48 40.5 LONG W 125 00.3
DATE 80/07/26 TIME (PST) 1757

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.19	31.64	24.16	376.9	.00	.00	1490.4
10	9.85	31.99	24.65	329.9	.35	.02	1486.1
20	9.05	32.41	25.11	286.7	.66	.06	1483.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
25.0	8.46	32.89	25.57	242.5	.79	.09	1482.3


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 13-37
STN:862
80/7/28
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-13.
STATION: BS2 CONS #037
LAT N 48 44.4 LONG W 125 29.1
DATE 80/07/26 TIME (PST) 2003

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.48	31.53	23.84	407.4	.00	.00	1494.8
10	10.24	32.00	24.59	335.6	.38	.02	1487.6
20	9.59	32.17	24.83	312.8	.70	.07	1485.6
30	9.12	32.41	25.10	287.9	1.00	.14	1484.3
50	8.71	32.71	25.40	259.6	1.55	.36	1483.5
75	8.38	32.95	25.63	237.8	2.17	.74	1482.9
100	8.18	33.08	25.76	225.7	2.75	1.25	1482.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
120.1	7.69	33.36	26.06	198.2	3.18	1.73	1481.5

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 1 DATE 22/ 7/80 GMT 19.1
POSITION 48-13.5 N, 123-35.0 W STATION JF10
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.140
10			5.040
20			4.190
30			3.880
50			3.290
75			2.730
125			2.130
135			2.150

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 5 DATE 22/ 7/80 GMT 22.3
POSITION 48-18.8 N, 124- 5.5 W STATION JF6
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.360
20			4.260
30			4.160
50			3.910
75			2.980
100			2.500
125			2.030
175			2.040

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 7 DATE 23/ 7/80 GMT .4
POSITION 48-24.5 N, 124-23.0 W STATION JF4
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.530
10			5.320
20			5.290
30			4.160
50			3.730
75			2.750
100			2.400
150			2.420
175			2.620
190			2.290

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 9 DATE 23/ 7/80 GMT 3.3
POSITION 48-28.5 N, 124-39.0 W STATION JF2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.680
10			4.620
20			3.740
30			3.440
50			2.880
100			2.440
125			2.290
150			2.470
175			2.720
200			2.210
220			2.140

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 11 DATE 25/ 7/80 GMT .0
POSITION 49- 9.9 N, 124-48.6 W STATION A1
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.080
50			2.450
75			2.770
100			2.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 12 DATE 25/ 7/80 GMT 9.9
POSITION 49- 7.1 N, 124-48.8 W STATION A2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.19		5.550
50			3.190
85			2.980

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 15 DATE 25/ 7/80 GMT 12.2
POSITION 48-59.6 N, 124-53.4 W STATION A5
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.750
50			2.860
75			2.800
100			2.900
125			2.690
150			2.640
200			2.520
250			2.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 17 DATE 25/ 7/80 GMT 13.8
POSITION 48-57.0 N, 125- 1.3 W STATION A7
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.950
50			2.740
75			2.430
100			2.620
125			2.560
150			2.520
200			2.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 19 DATE 25/ 7/80 GMT 15.4
POSITION 48-58.2 N, 125- 7.8 W STATION A12
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.900
50			2.810
75			2.210
80			2.360

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 21 DATE 25/ 7/80 GMT 17.2
POSITION 48-50.1 N, 125-15.8 W STATION A14
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.240
50			3.460
75			2.740
100			2.720

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 23 DATE 25/ 7/80 GMT 18.5
POSITION 48-51.5 N, 125- 8.1 W STATION A9
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.310
50			2.770
75			1.920
100			2.680
125			2.220

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 25 DATE 25/ 7/80 GMT 19.5
POSITION 48- 8.5 N, 126- .0 W STATION C111
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.740
10			6.650
30			6.850
75			5.440
100			4.060
150			2.[illegible]10
200			2.[illegible]70
350			1.190
500			.850
750			.350
1000	3.52		.320

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 26 DATE 26/ 7/80 GMT 4.9
POSITION 48-10.6 N, 125-56.2 W STATION C110
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.740
10			5.640
30			6.220
50			6.430
75			5.140
100			3.610
150			2.810
200			2.370
350			1.350
500			1.160
750			.400
850			.370

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 27 DATE 26/ 7/80 GMT 6.3
POSITION 48-12.9 N, 125-52.0 W STATION C109
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.120
10			5.480
30			5.350
50			5.500
75			4.250
150			2.690
175			2.520
200			2.570
350			1.280
480	5.13		.980

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 28 DATE 26/ 7/80 GMT 7.4
POSITION 48-15.1 N, 125-47.7 W STATION C108
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.850
10			4.860
20			4.320
30			4.190
50			4.110
75			3.810
100			2.900
125			2.550
150			2.450
175			2.320
200			2.120
250			1.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 29 DATE 26/ 7/80 GMT 8.8
POSITION 48-18.5 N, 125-41.1 W STATION C107
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.720
10			4.610
20			4.240
30			4.020
50			3.220
75			3.210
100			2.610
125			2.640
150			2.010

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 30 DATE 26/ 7/80 GMT 11.8
POSITION 48-22.5 N, 125-34.1 W STATION C106
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.560
10			4.950
20			3.570
30			3.000
50			2.060
75			2.030
100			1.660
125			2.000
150			1.980

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 31 DATE 26/ 7/80 GMT 12.8
POSITION 48-25.5 N, 125-28.2 W STATION C105
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.690
10			4.470
20			3.380
30			3.060
50			2.590
75			1.900
100			1.380
125			1.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 32 DATE 26/ 7/80 GMT 13.8
POSITION 48-29.4 N, 125-21.2 W STATION C104
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.360
10			5.230
20			3.820
30			3.280
50			2.550
75			2.000
100			1.640
125			1.700
140			1.770

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 33 DATE 26/ 7/80 GMT 14.0
POSITION 48-32.1 N, 125-15.5 W STATION C103
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.020
10			5.590
20			4.070
30			3.260
50			2.460
75			1.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 34 DATE 26/ 7/80 GMT 16.6
POSITION 48-35.5 N, 125- 9.0 W STATION C102
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.720
10			6.270
20			4.820
30			4.350
50			2.820
75			2.040
95			1.850

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 35 DATE 26/ 7/80 GMT 17.5
POSITION 48-39.0 N, 125- 2.5 W STATION C101
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.110
10			4.490
20			3.850
30			3.440
50			2.260

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 36 DATE 26/ 7/80 GMT 18.0
POSITION 48-40.5 N, 125- .3 W STATION C100
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.660
10			5.840
20			3.920
28			3.410

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 37 DATE 26/ 7/80 GMT 20.1
POSITION 48-44.4 N, 125-29.1 W STATION BS2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.920
10			4.490
20			4.130
30			3.440
50			3.160
75			2.980
100			2.820
120			2.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 38 DATE 26/ 7/80 GMT 21.1
POSITION 48-40.4 N, 125-34.5 W STATION BS3
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.940
10			5.160
20			3.790
50			3.140
75			3.020
100			2.990
125			2.790
150			2.750
175			2.490

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 39 DATE 26/ 7/80 GMT 22.8
POSITION 48-36.4 N, 125-40.1 W STATION BS4
HYDROGRAPHIC CAST DATA

OBSLRVED DATA

DEPTH	TEMP	SAL	OXY
0			7.410
10			6.310
20			4.460
30			3.830
50			3.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 40 DATE 27/ 7/80 GMT .6
POSITION 48-41.5 N, 125-52.5 W STATION AP4
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.290
10			6.070
20			7.050
30			3.910
50			3.420

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 41 DATE 27/ 7/80 GMT 1.6
POSITION 48-45.4 N, 125-47.1 W STATION AP3
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.930
10			7.850
20			7.700
30			3.930
50			3.420

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 42 DATE 27/ 7/80 GMT 2.6
POSITION 48-49.3 N, 125-41.4 W STATION AP2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.040
10			6.010
20			4.560
30			3.170
45			3.170

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 43 DATE 27/ 7/80 GMT 4.5
POSITION 48-54.5 N, 125-54.7 W STATION W87
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.950
10			6.070
20			4.060
30			3.070
50			2.590

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 45 DATE 27/ 7/80 GMT 14.3
POSITION 48-55.0 N, 126- 3.2 W STATION W85
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.200
10			7.490
20			3.800
30			3.790
50			2.910

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 46 DATE 27/ 7/80 GMT 15.5
POSITION 48-52.0 N, 126- 8.1 W STATION W84A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.460
10			7.540
20			4.850
30			3.870
50			3.400
75			3.090

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 47 DATE 27/ 7/80 GMT 16.7
POSITION 48-46.1 N, 126-17.7 W STATION W83A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.360
10			6.510
20			4.770
30			4.610
50			4.140
75			3.880
100			3.300
125			1.960
200			1.990

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 48 DATE 27/ 7/80 GMT 18.5
POSITION 48-37.2 N, 126-32.0 W STATION W82
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.560
10			6.460
30			6.520
50			6.330
100			4.970
150			3.850
200			3.460
350			2.090
500			.870
1000			.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 49 DATE 28/ 7/80 GMT 3.0
POSITION 48-42.0 N, 127-46.0 W STATION W18
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.950
10			5.940
30			6.520
50			6.960
75			6.670
100			5.070
150			3.670
200			3.060
350			2.170
500			.770
750			.360
1000			.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 52 DATE 28/ 7/80 GMT 9.0
POSITION 48-59.0 N, 127-19.5 W STATION W21
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.330
10			6.360
50			6.580
75			6.470
100			4.490
150			3.430
200			3.080
350			1.920
500			.760
750			.400
1000			.550

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 53 DATE 28/ 7/80 GMT 10.3
POSITION 49- 1.8 N, 127-15.3 W STATION W21A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.520
10			6.490
30			6.680
50			6.560
75			6.190
100			4.360
150			3.700
200			3.310
350			1.800
500			.800
750			.510
1000			.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 55 DATE 28/ 7/80 GMT 13.3
POSITION 49- 7.3 N, 127- 6.5 W STATION W22A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.400
10			6.270
30			5.750
50			6.090
75			4.830
100			3.160
150			2.850
200			3.230
350			1.730
500			.920
750			.380
850			.340

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 56 DATE 28/ 7/80 GMT 14.7
POSITION 49-12.8 N, 126-57.5 W STATION W23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.650
10			6.660
20			6.540
30			4.420
50			4.590
75			3.550
100			3.520
150			2.820
175			3.150
200			2.950
350			2.780

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 57 DATE 28/ 7/80 GMT 15.8
POSITION 49-12.8 N, 126-57.5 W STATION W23A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.160
10			7.120
20			4.720
30			3.840
50			3.540
75			3.470
100			3.210
150			2.680
175			2.010

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 58 DATE 28/ 7/80 GMT 16.5
POSITION 49-15.5 N, 126-57.5 W STATION W24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.260
20			4.290
30			3.960
50			3.350
75			2.650
100			2.460
125			2.050

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 59 DATE 28/ 7/80 GMT 17.3
POSITION 49-18.3 N, 126-48.8 W STATION W24A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.790
20			4.380
30			3.880
50			3.190
75			2.800
100			2.520
110			2.110

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 60 DATE 28/ 7/80 GMT 18.1
POSITION 49-21.5 N, 126-40.0 W STATION W25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.470
10			5.120
20			4.310
30			4.020
50			2.630
75			1.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 61 DATE 28/ 7/80 GMT 19.4
POSITION 49-23.0 N, 126-40.0 W STATION W25A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			3.980
10			4.030
20			3.640
30			2.840
50			2.450

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 62 DATE 28/ 7/80 GMT 21.1
POSITION 49-30.5 N, 126-51.5 W STATION W26
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.460
10			3.180
20			3.150
30			3.080
50			2.430

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 63 DATE 28/ 7/80 GMT 22.3
POSITION 49-36.0 N, 127- 1.0 W STATION W27
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.870
10			5.700
20			4.260
30			3.870
50			3.390
75			2.780
90			2.060

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 64 DATE 28/ 7/80 GMT 23.4
POSITION 49-40.5 N, 127-11.0 W STATION W28
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.590
10			5.510
20			4.100
30			3.560
50			2.700
75			2.600
100			2.050

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 65 DATE 29/ 7/80 GMT .5
POSITION 49-48.5 N, 127-15.0 W STATION W28A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.400
10			4.340
20			4.410
30			3.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 66 DATE 29/ 7/80 GMT 1.2
POSITION 49-46.0 N, 127-20.0 W STATION W29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.260
10			6.370
20			4.060
30			3.060
50			2.730
75			2.400

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 67 DATE 29/ 7/80 GMT 1.9
POSITION 49-43.3 N, 127-24.5 W STATION W29A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.230
10			6.170
20			6.170
30			3.830
50			3.310
75			2.410
90			2.490

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 68 DATE 29/ 7/80 GMT 2.8
POSITION 49-40.5 N, 127-29.0 W STATION W30
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.450
10			5.390
30			4.490
50			4.030
75			3.000
100			2.940
150			2.690
200			2.340
350			1.470
480			1.270

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 69 DATE 29/ 7/80 GMT 4.0
POSITION 49-37.5 N, 127-33.5 W STATION W30A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.610
10			5.620
20			4.790
30			4.990
50			4.140
75			3.340
100			3.000
140			2.540
200			2.130
350			1.290
500			.830
650			.500

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 70 DATE 29/ 7/80 GMT 5.0
POSITION 49-34.5 N, 127-38.0 W STATION W31
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.120
10			5.870
20			5.560
30			3.880
50			3.820
75			3.470
100			3.080
150			2.560
200			2.510
350			1.490
500			.760
600			.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 72 DATE 29/ 7/80 GMT 6.3
POSITION 49-31.7 N, 127-42.3 W STATION W31A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.780
10			6.280
20			5.500
30			4.130
50			4.130
75			4.180
100			3.280
150			2.870
350			1.400
500			.790
1000			.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 73 DATE 29/ 7/80 GMT 7.5
POSITION 49-29.0 N, 127-46.5 W STATION W32
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.450
10			6.500
30			6.040
50			5.770
100			3.860
150			3.460
200			3.240
350			1.450
500			.720
750			.310
1000			.270

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 74 DATE 29/ 7/80 GMT 9.9
POSITION 49-23.5 N, 127-55.0 W STATION W33
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.950
30			6.890
50			6.310
100			4.510
150			3.500
200			3.290
350			2.260
500			1.170
750			.430
1000			.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 77 DATE 29/ 7/80 GMT 19.2
POSITION 49-18.5 N, 128-36.5 W STATION W38
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.050
10			6.070
30			6.700
50			6.890
100			6.210
200			3.340
350			1.710
500			.930
750			.340

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 78 DATE 29/ 7/80 GMT 22.5
POSITION 49-31.5 N, 128-52.5 W STATION W40
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.110
10			6.180
30			7.040
50			6.910
100			5.980
150			3.740
200			2.960
500			.900
750			.390
1000			.370

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 79 DATE 30/ 7/80 GMT .2
POSITION 49-36.5 N, 128-44.5 W STATION W41
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.050
10			6.070
30			6.380
50			6.780
100			5.700
150			3.670
200			3.050
350			1.570
500			.780
750			.350
1000			.350

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 81 DATE 30/ 7/80 GMT 3.6
POSITION 49-47.0 N, 128-28.5 W STATION W43
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.210
10			5.960
30			6.310
50			6.830
75			6.260
100			5.560
150			3.720
200			2.560
350			1.500
500			1.040
750			.470
1000			.500

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 82 DATE 30/ 7/80 GMT 5.1
POSITION 49-51.5 N, 128-20.5 W STATION W44
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.260
10			6.860
30			5.790
50			5.210
75			6.700
100			5.280
150			3.220
200			2.800
350			1.750
500			.950
750			.380
1025			.420

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 83 DATE 30/ 7/80 GMT 6.9
POSITION 49-57.0 N, 128-12.5 W STATION W45
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.580
10			6.510
30			5.810
50			6.650
75			4.830
100			3.930
150			3.360
200			2.500
350			1.560
500			.820
750			.360
1000			.290

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 84 DATE 30/ 7/80 GMT 8.2
POSITION 49-59.2 N, 128- 8.5 W STATION W45A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
150			3.060
200			3.180
350			1.410
500			.760
750			.620

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 85 DATE 30/ 7/80 GMT 12.3
POSITION 49-59.1 N, 128- 8.5 W STATION W45A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.770
10			6.800
20			6.430
30			6.170
50			4.660
75			4.340
100			3.690
150			2.980
200			2.630
350			1.450
500			.780
750			.460

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 86 DATE 30/ 7/80 GMT 13.3
POSITION 50- 1.5 N, 128- 5.5 W STATION W46
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.680
10			6.750
20			5.790
30			5.400
50			4.300
75			4.250
100			3.110
125			2.810
140			2.670

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 87 DATE 30/ 7/80 GMT 14.2
POSITION 50- 3.8 N, 128- 2.0 W STATION W46A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.010
10			5.770
20			5.490
30			5.190
50			4.580
75			3.940
100			2.750
150			2.180
200			2.130
350			1.560
480			1.020

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 88 DATE 30/ 7/80 GMT 15.2
POSITION 50- 6.0 N, 127-58.0 W STATION W47
HYDROGRAPHIC CAST DATA

OBSERVED DATA

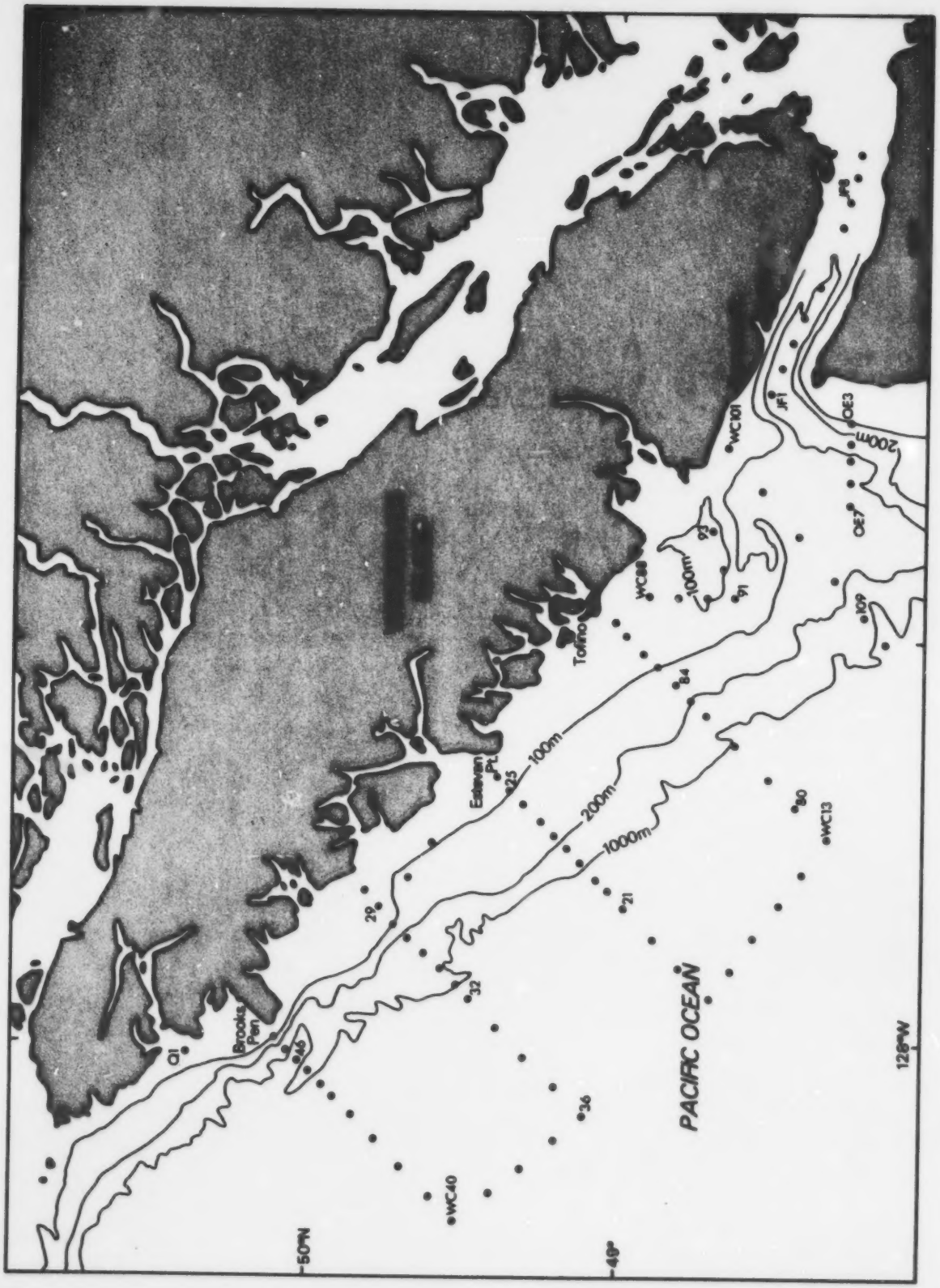
DEPTH	TEMP	SAL	OXY
0			8.630
10			6.610
20			4.230
30			3.410
50			3.240
75			2.820
90			3.090

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 13- 89 DATE 30/ 7/80 GMT 18.5
POSITION 50- 1.5 N, 128- 5.5 W STATION W46
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			6.860
50			5.400
75			3.030
100			3.290
150			2.910
200			2.270
350			1.400
500			.830
750			.530
1000			.390

CRUISE 80-14
SEPTEMBER 1980


PACIFIC OCEAN
Tofino
Estevan Pt.
Brooks Pen
100m
200m
1000m
WC101
WC88
WC13
WC40
JF1
OE3
OE7
Q1
50°N
49°
128°W

COASTAL OCEANIC DYNAMICS EXPERIMENT

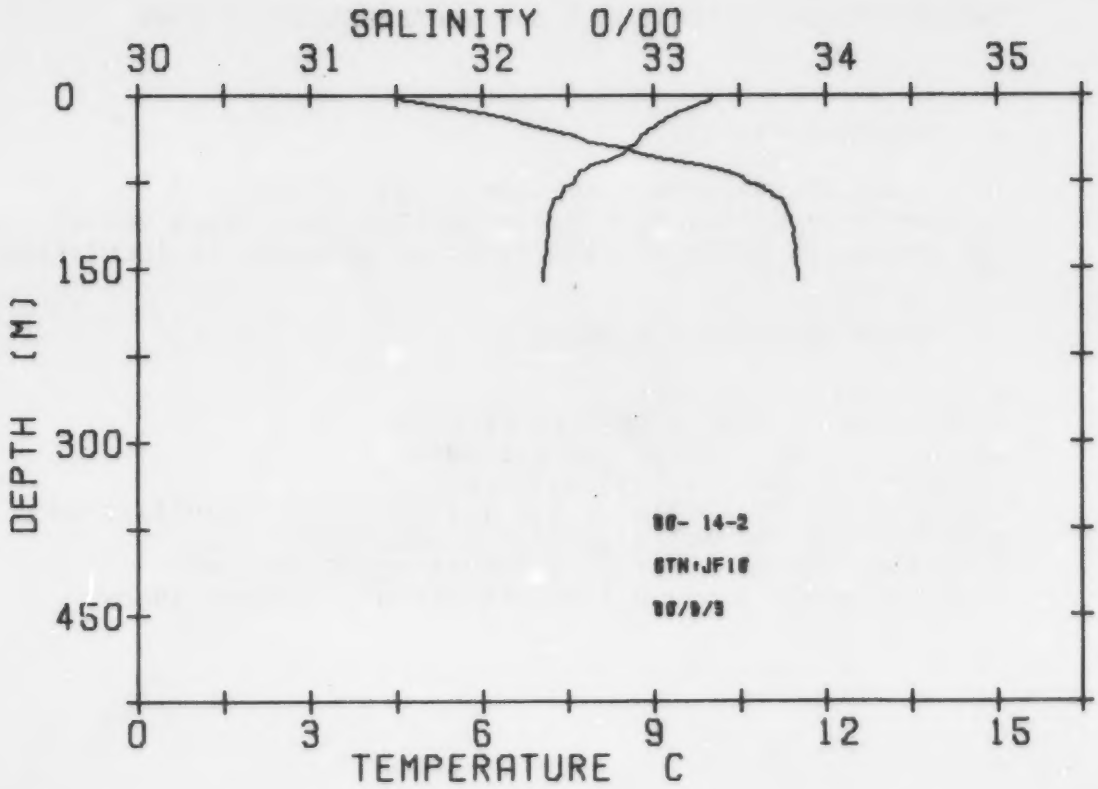
CRUISE 80-14. SEPTEMBER 3 - SEPTEMBER 10 , 1980

A. CRUISE SUMMARY :

1. NUMBER OF STATIONS PROCESSED : 89
2. NUMBER OF STATIONS OF DEPTH GREATER THAN 80.0 METRES
FOR WHICH THE DEPTH OF WIND MIXED LAYER COULD BE IDENTIFIED : 77

B. PARAMETERS,SYMBOLS,UNITS :

DEPTH : DEPTH : METRES
TEMPERATURE : TEMP : DEGREES CELCIUS
SALINITY : SAL : GRAMS PER KILOGRAM
SIGMA - T : SIG-T : (DIMENSIONLESS)
SPECIFIC VOLUME ANOMALY : SVA : 10EXP(-5)*CM*EXP(3)/GRAM
GEOPOTENTIAL ANOMALY : DELTA-D : JOULES/KGR
POTENTIAL ENERGY : POT.EN : 10EXP(8)ERGS/(CM*CM)
SPEED OF SOUND : SOUND : METRES/SECOND. -WILSON 1960-


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-2
STN:JF18
80/9/3
0
3
6
9
12
15
TEMPERATURE C

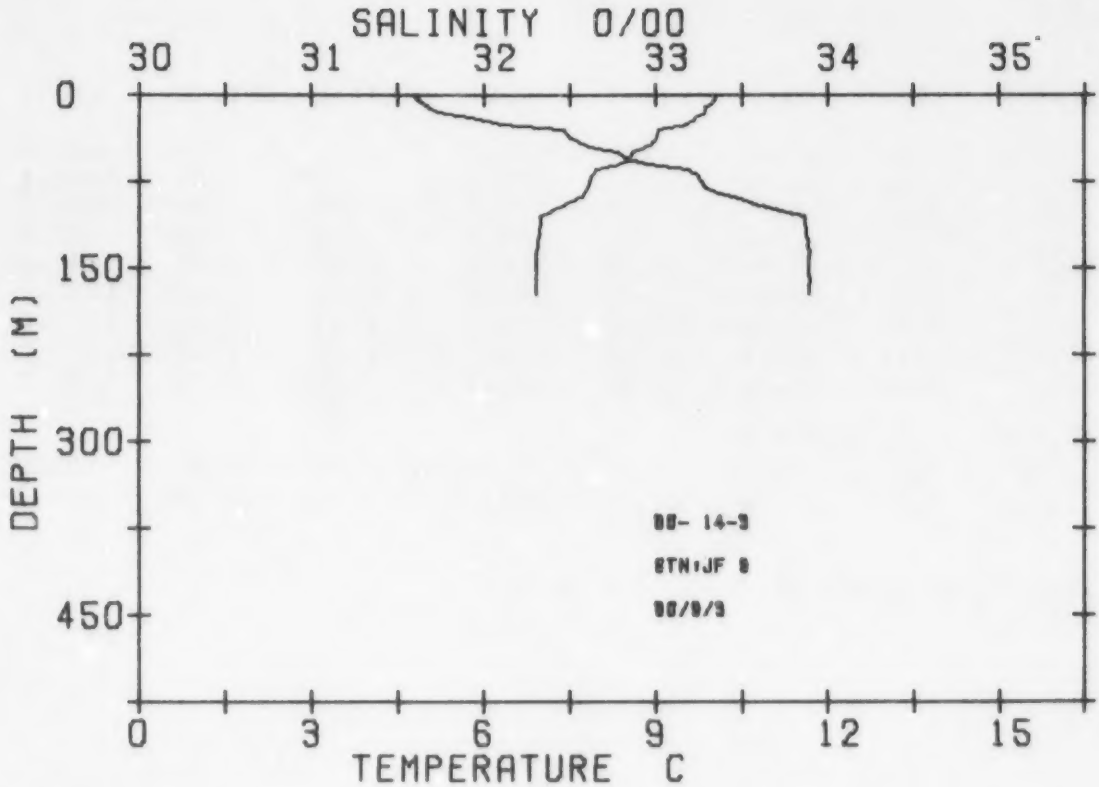
CRUISE : C.O.D.E. 80-14.
STATION: JF10 CONS #002
LAT N 48 13.5 LONG W 123 35.0
DATE 80/09/03 TIME (PST) 2240

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.01	31.51	24.26	367.5	.00	.00	1486.0
10	9.64	31.82	24.56	338.9	.36	.02	1485.1
20	9.21	32.16	24.89	307.8	.68	.07	1484.1
30	8.93	32.41	25.13	285.0	.98	.14	1483.6
50	8.47	32.90	25.58	242.5	1.50	.35	1482.8
75	7.59	33.55	26.22	182.1	2.01	.66	1480.7
100	7.18	33.78	26.46	159.4	2.43	1.03	1479.8
125	7.11	33.82	26.50	156.3	2.83	1.47	1480.0
150	7.06	33.84	26.52	154.5	3.21	2.01	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
160.2	7.05	33.84	26.52	154.6	3.37	2.25	1480.3

WIND MIXED LAYER DEPTH = 3.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

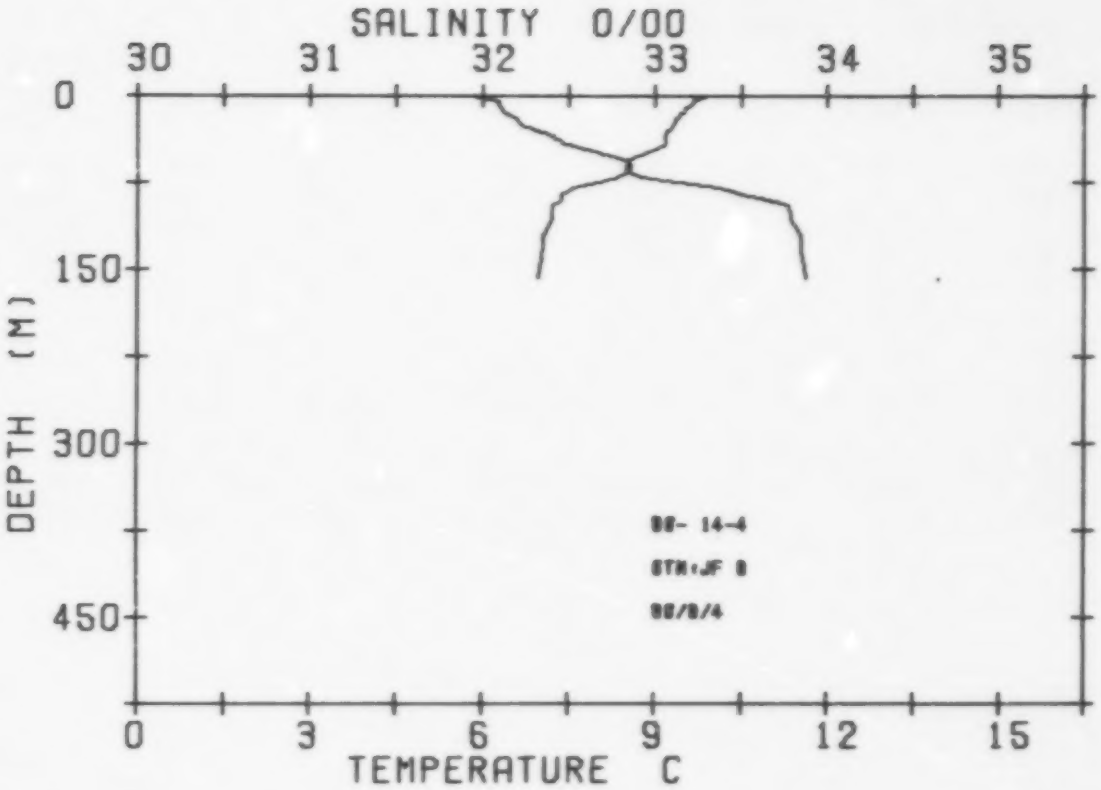
CRUISE : C.O.D.E. 80-14.
STATION: JF 9 CONS #003
LAT N 48 14.5 LONG W 123 40.8
DATE 80/09/03 TIME (PST) 2343

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.04	31.61	24.32	361.0	.00	.00	1486.2
10	9.87	31.68	24.41	353.1	.36	.02	1485.8
20	9.69	31.93	24.63	332.2	.70	.07	1485.6
30	9.08	32.44	25.13	284.8	1.02	.15	1484.2
50	8.58	32.78	25.47	253.1	1.56	.36	1483.1
75	7.82	33.27	25.97	205.7	2.13	.72	1481.2
100	7.18	33.73	26.42	163.7	2.61	1.13	1479.7
125	6.92	33.89	26.58	148.5	2.99	1.56	1479.3
150	6.91	33.89	26.58	148.7	3.36	2.07	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
173.2	6.90	33.89	26.58	148.6	3.70	2.62	1480.0

WIND MIXED LAYER DEPTH = 8.2 METRES

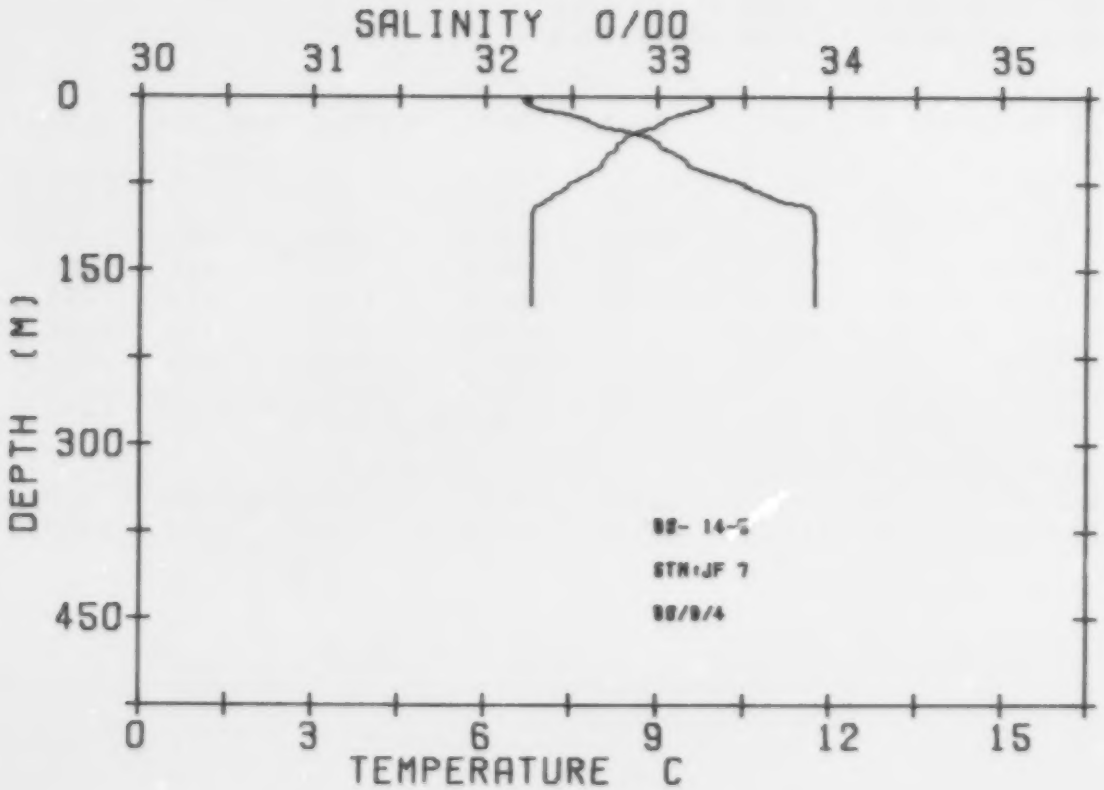

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: JF 8 CONS #004
LAT N 48 16.0 LONG W 123 49.0
DATE 80/09/04 TIME (PST) 0029

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.88	31.94	24.61	333.6	.00	.00	1486.0
10	9.55	32.11	24.79	316.7	.32	.02	1485.2
20	9.35	32.20	24.90	306.9	.63	.06	1484.7
30	9.21	32.31	25.01	296.3	.94	.14	1484.5
50	8.82	32.67	25.35	264.1	1.50	.36	1483.8
75	7.99	33.13	25.83	218.5	2.11	.74	1481.7
100	7.19	33.78	26.46	159.5	2.56	1.13	1479.8
125	7.04	33.85	26.53	152.9	2.95	1.57	1479.8
150	6.98	33.87	26.56	150.9	3.33	2.10	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
157.0	6.95	33.88	26.57	150.2	3.44	2.26	1480.0


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
STN:JF 7
0
3
6
9
12
15
TEMPERATURE C

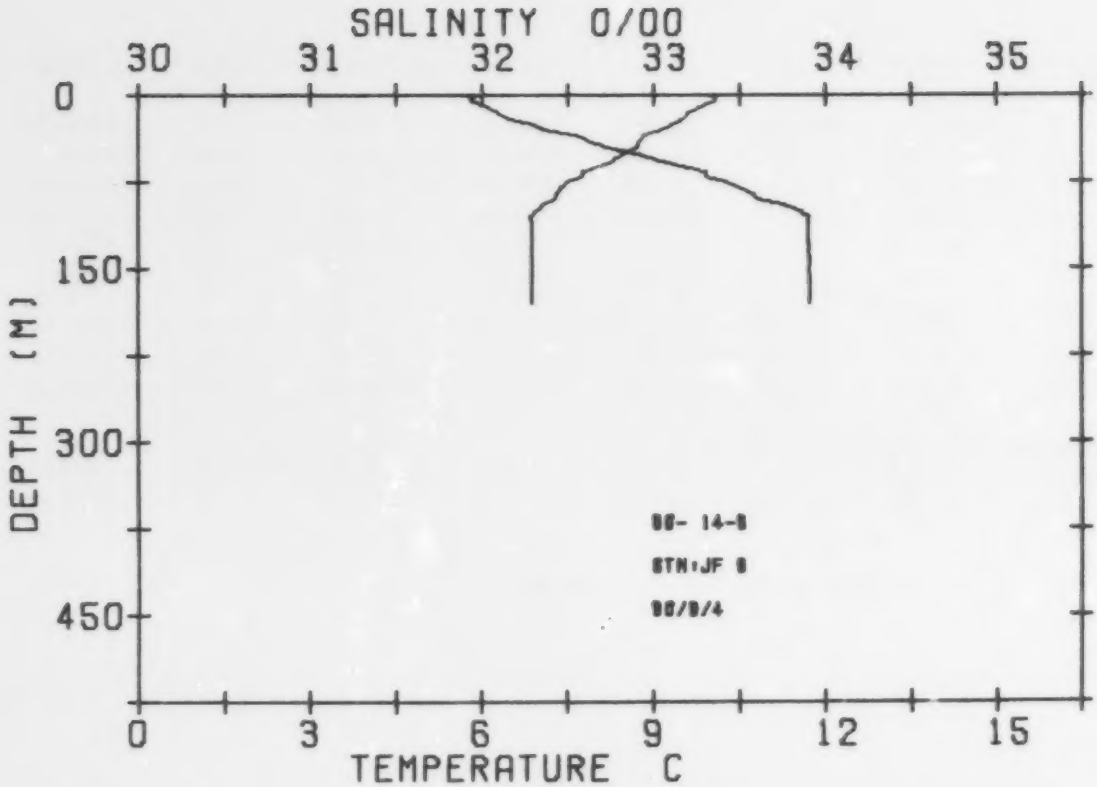
CRUISE : C.O.D.E. 80-14.
STATION: JF 7 CONS #005
LAT N 48 17.0 LONG W 123 57.5
DATE 80/09/04 TIME (PST) 0116

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.85	32.24	24.85	311.3	.00	.00	1486.3
10	9.75	32.31	24.92	304.6	.31	.02	1486.2
20	9.12	32.59	25.24	274.4	.60	.06	1484.4
30	8.67	32.82	25.48	251.0	.86	.12	1483.1
50	8.14	33.11	25.79	222.1	1.33	.31	1481.8
75	7.46	33.50	26.20	184.2	1.85	.63	1480.1
100	6.82	33.91	26.61	145.5	2.26	.99	1478.5
125	6.80	33.92	26.62	144.8	2.62	1.40	1478.9
150	6.81	33.91	26.61	145.4	2.98	1.90	1479.3
175	6.81	33.92	26.62	145.4	3.35	2.49	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
180.3	6.81	33.92	26.62	145.5	3.43	2.62	1479.8

WIND MIXED LAYER DEPTH = 5.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

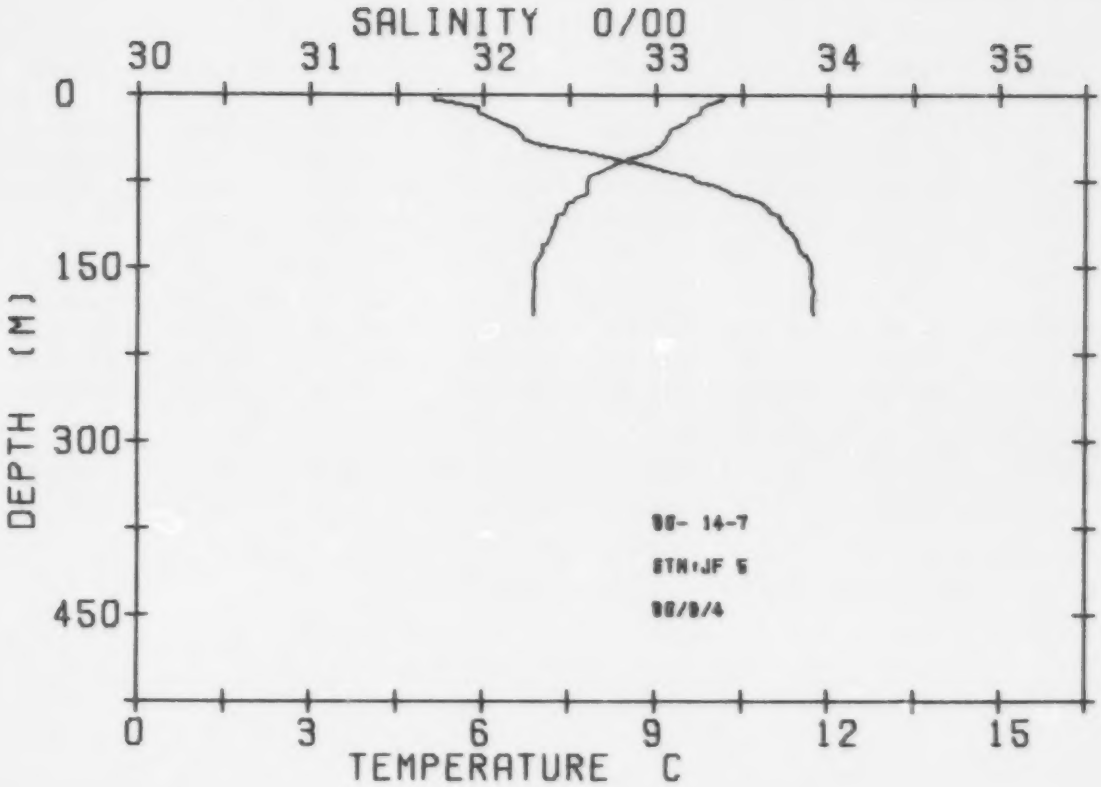
CRUISE : C.O.D.E. 80-14.
STATION: JF 6 CONS #006
LAT N 48 18.8 LONG W 124 05.5
DATE 80/09/04 TIME (PST) 0149

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.02	31.93	24.58	336.7	.00	.00	1486.6
10	9.79	32.04	24.70	325.3	.33	.02	1486.0
20	9.49	32.16	24.84	312.1	.65	.06	1485.2
30	9.13	32.37	25.06	291.0	.95	.14	1484.3
50	8.50	32.86	25.55	245.3	1.49	.35	1482.9
75	7.48	33.42	26.13	190.4	2.03	.68	1480.1
100	6.93	33.85	26.55	150.9	2.46	1.06	1478.9
125	6.86	33.90	26.60	146.7	2.82	1.47	1479.1
150	6.86	33.90	26.60	147.2	3.19	1.98	1479.5
175	6.88	33.91	26.60	147.3	3.56	2.57	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
180.4	6.88	33.91	26.61	146.7	3.64	2.72	1480.1

WIND MIXED LAYER DEPTH = 4.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 14-7
STN:JF 5
88/8/4
0
3
6
9
12
15
TEMPERATURE C

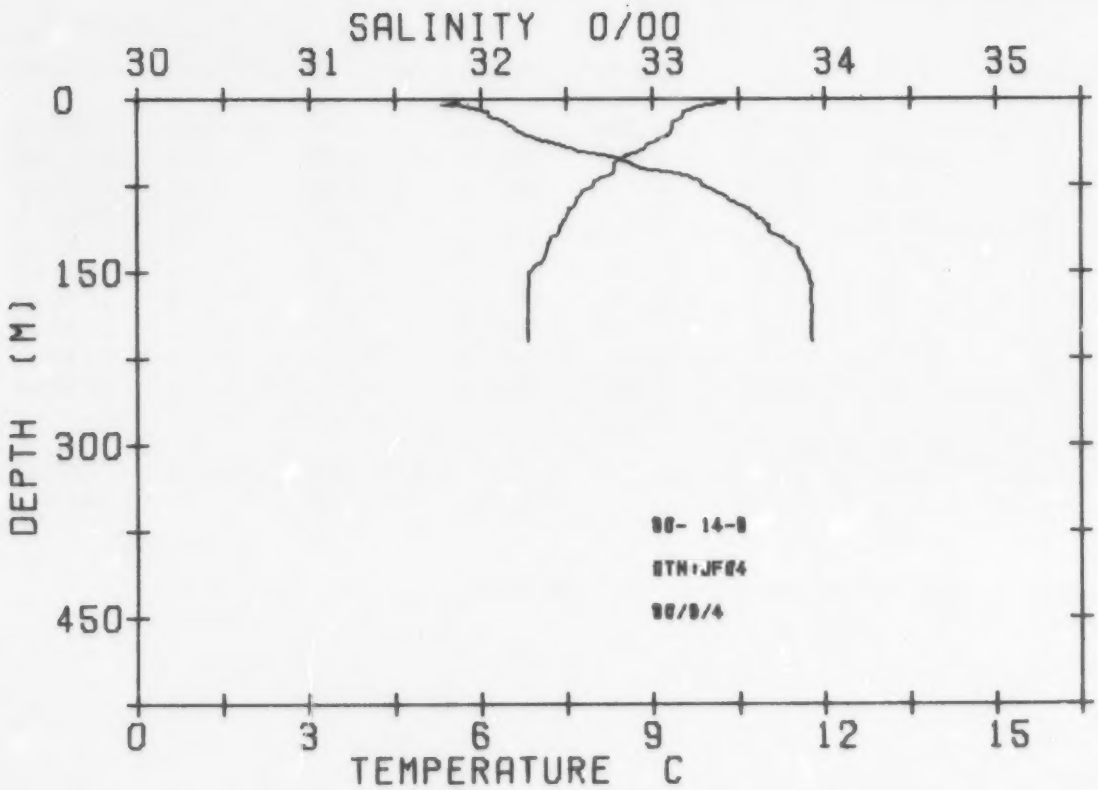
CRUISE : C.O.D.E. 80-14.
STATION: JF 5 CONS #007
LAT N 48 21.0 LONG W 124 14.2
DATE 80/09/04 TIME (PST) 0232

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.16	31.71	24.38	355.6	.00	.00	1486.8
10	9.77	31.97	24.65	330.3	.35	.02	1485.8
20	9.58	32.04	24.73	322.4	.68	.07	1485.4
30	9.25	32.20	24.91	305.4	.99	.14	1484.5
50	8.92	32.59	25.27	272.2	1.58	.38	1484.1
75	7.81	33.24	25.95	207.7	2.16	.74	1481.1
100	7.41	33.66	26.33	171.5	2.63	1.15	1480.5
125	7.14	33.82	26.49	156.8	3.04	1.61	1480.1
150	6.89	33.91	26.60	146.6	3.42	2.13	1479.6
175	6.88	33.91	26.60	146.8	3.79	2.72	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
190.1	6.88	33.92	26.61	146.9	4.01	3.13	1480.3

WIND MIXED LAYER DEPTH = 3.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 14-8
STN:JF04
90/9/4
0
3
6
9
12
15
TEMPERATURE C

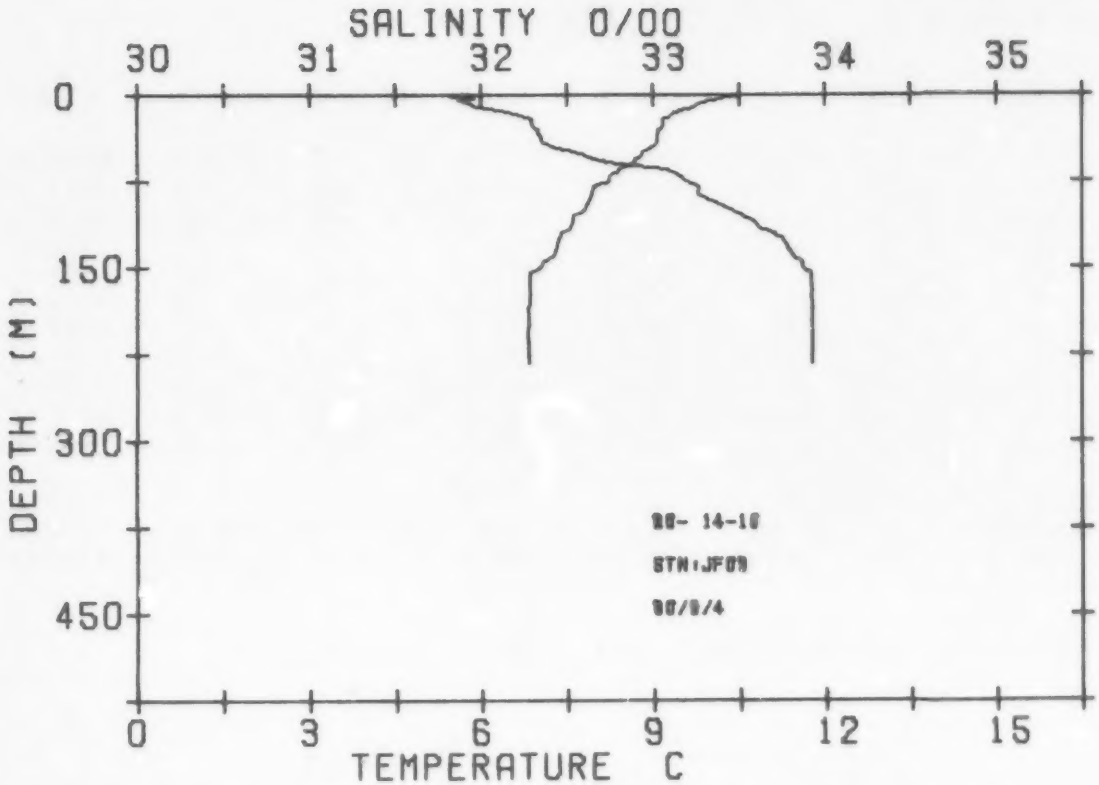
CRUISE : C.O.D.E. 80-14.
STATION: JF04 CONS #009
LAT N 48 24.5 LONG W 124 23.0
DATE 80/09/04 TIME (PST) 0409

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.27	31.86	24.49	345.6	.00	.00	1487.4
10	9.54	32.04	24.74	321.2	.34	.02	1485.1
20	9.36	32.15	24.86	310.6	.66	.06	1484.7
30	9.27	32.25	24.95	302.2	.96	.14	1484.6
50	8.49	32.77	25.47	252.4	1.52	.36	1482.7
75	7.94	33.30	25.97	205.6	2.09	.72	1481.7
100	7.51	33.60	26.27	177.7	2.57	1.13	1480.8
125	7.17	33.79	26.47	158.9	2.99	1.60	1480.2
150	6.86	33.91	26.61	146.3	3.37	2.13	1479.5
175	6.82	33.92	26.62	145.6	3.73	2.72	1479.7
200	6.81	33.92	26.62	145.6	4.10	3.40	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
210.0	6.81	33.93	26.63	145.1	4.24	3.70	1480.3

WIND MIXED LAYER DEPTH = 4.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 14-10
STN:JF09
90/9/4
0
3
6
9
12
15
TEMPERATURE C

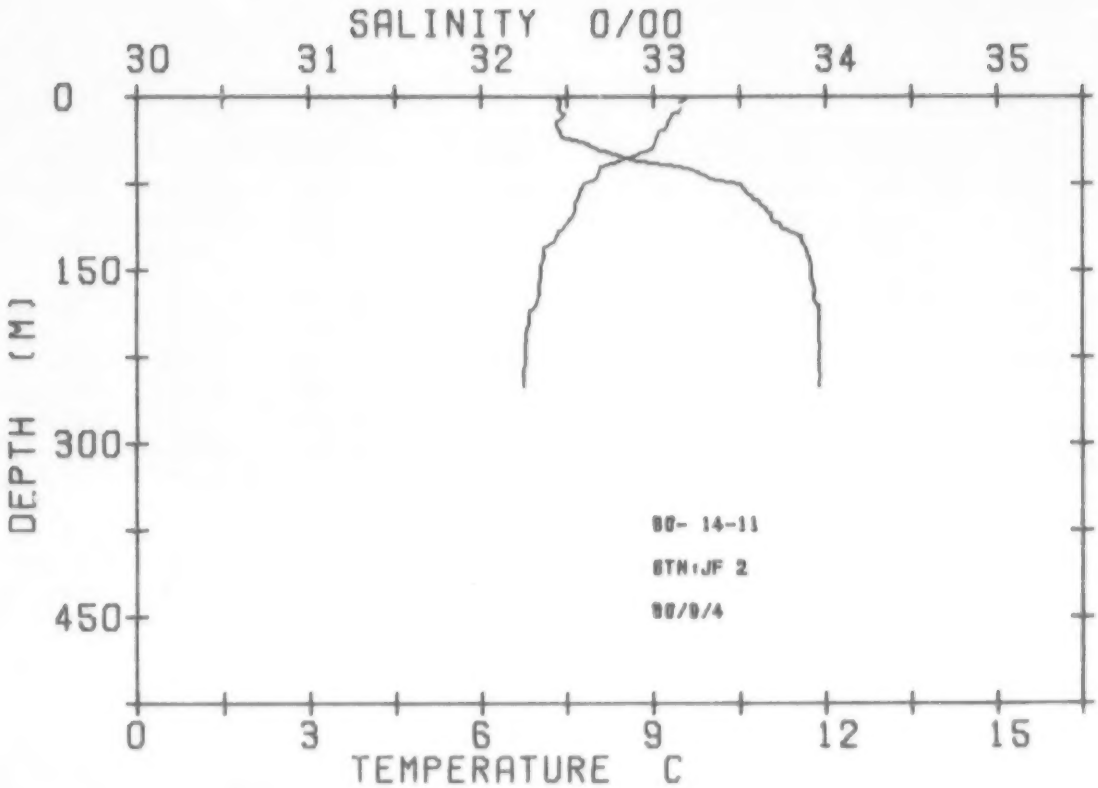
CRUISE : C.O.D.E. 80-14.
STATION: JF03 CONS #010
LAT N 48 26.0 LONG W 124 31.0
DATE 80/09/04 TIME (PST) 0452

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.45	31.83	24.43	350.7	.00	.00	1488.0
10	9.65	31.98	24.68	327.3	.34	.02	1485.4
20	9.20	32.29	24.99	298.1	.65	.06	1484.3
30	9.10	32.33	25.04	293.6	.95	.14	1484.1
50	8.82	32.55	25.25	273.5	1.52	.37	1483.7
75	8.21	33.20	25.85	216.9	2.13	.74	1482.6
100	7.78	33.46	26.12	191.9	2.64	1.19	1481.7
125	7.36	33.75	26.41	164.6	3.08	1.68	1480.8
150	7.02	33.88	26.55	151.2	3.48	2.23	1480.1
175	6.85	33.92	26.62	145.6	3.84	2.82	1479.9
200	6.83	33.93	26.62	145.2	4.21	3.50	1480.2
225	6.83	33.93	26.63	145.4	4.57	4.27	1480.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
232.0	6.83	33.93	26.63	145.6	4.67	4.51	1480.8

WIND MIXED LAYER DEPTH = 4.1 METRES

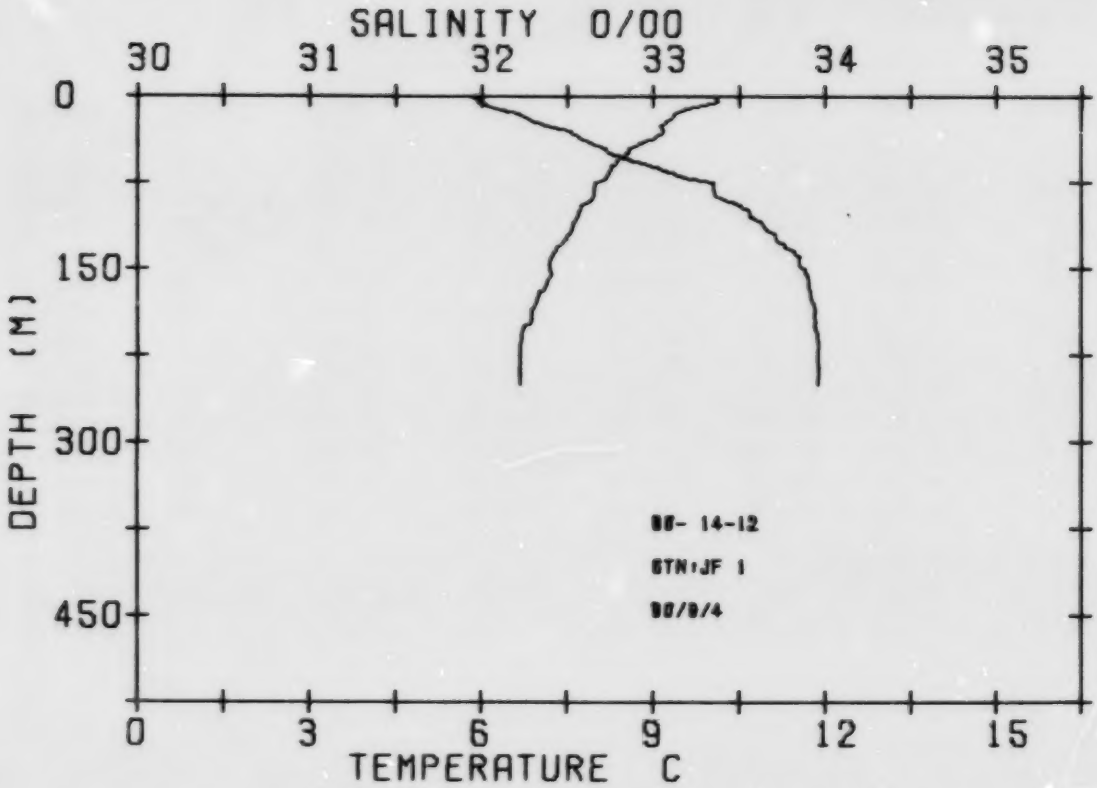

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-11
STN:JF 2
80/9/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: JF 2 CONS #011
LAT N 48 28.5 LONG W 124 39.0
DATE 80/09/04 TIME (PST) 1336

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	9.56	32.44	25.05	292.0	.00	.00	1485.5
10	9.46	32.45	25.07	289.7	.29	.01	1485.3
20	9.24	32.44	25.11	287.0	.58	.06	1484.6
30	9.10	32.46	25.14	283.6	.86	.13	1484.3
50	8.65	32.81	25.48	251.9	1.41	.35	1483.4
75	7.80	33.49	26.15	188.9	1.95	.68	1481.4
100	7.59	33.68	26.32	172.9	2.40	1.08	1481.2
125	7.27	33.86	26.51	155.4	2.81	1.54	1480.7
150	7.02	33.92	26.59	147.8	3.19	2.05	1480.2
175	6.97	33.93	26.61	146.5	3.56	2.65	1480.4
200	6.79	33.96	26.65	142.5	3.91	3.32	1480.1
225	6.74	33.96	26.66	141.9	4.27	4.08	1480.3
250	6.73	33.96	26.66	142.2	4.62	4.92	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
250.1	6.73	33.96	26.66	142.2	4.63	4.92	1480.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 14-12
STN:JF 1
88/8/4
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: JF 1 CONS #012
LAT N 48 30.5 LONG W 124 46.5
DATE 80/09/04 TIME (PST) 1414

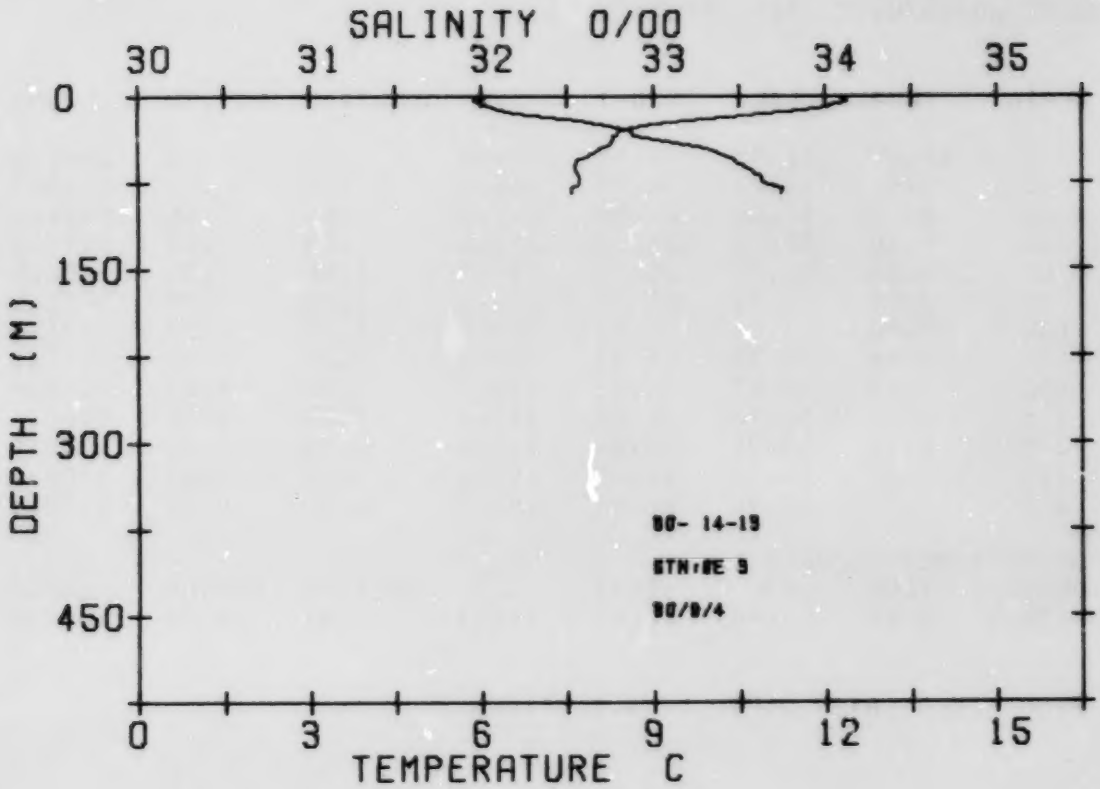
DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.09	31.95	24.58	336.4	.00	.00	1486.8
10	9.59	32.08	24.77	319.2	.33	.02	1485.3
20	9.24	32.28	24.98	298.9	.64	.06	1484.4
30	9.18	32.52	25.18	280.5	.93	.13	1484.7
50	8.53	32.75	25.45	254.7	1.46	.35	1482.8
75	7.97	33.35	26.01	202.0	2.04	.70	1481.9
100	7.68	33.56	26.21	183.0	2.53	1.13	1481.5
125	7.44	33.72	26.37	167.9	2.96	1.62	1481.1
150	7.20	33.87	26.53	153.7	3.36	2.17	1480.8
175	6.97	33.92	26.60	147.4	3.74	2.78	1480.4
200	6.76	33.94	26.64	143.4	4.10	3.46	1480.0
225	6.67	33.96	26.67	141.1	4.45	4.21	1480.0
250	6.67	33.96	26.67	141.3	4.80	5.04	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
250.1	6.67	33.96	26.67	141.3	4.81	5.05	1480.4

WIND MIXED LAYER DEPTH = 4.7 METRES

22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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-19
STN:BE 9
80/9/4
0
3
6
9
12
15
TEMPERATURE C

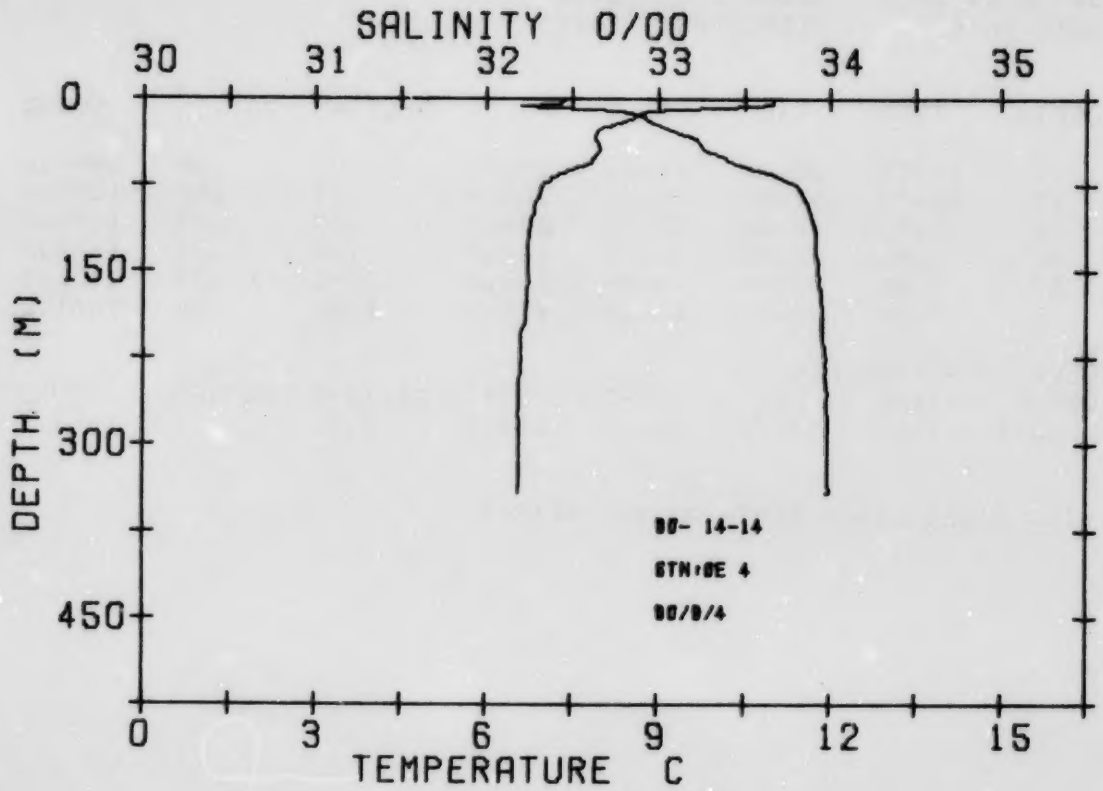
CRUISE : C.O.D.E. 80-14.
STATION: OE 3 CONS #013
LAT N 48 15.0 LONG W 124 54.0
DATE 80/09/04 TIME (PST) 1621

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.27	32.02	24.25	368.2	.00	.00	1494.6
10	11.89	32.07	24.36	357.4	.37	.02	1493.6
20	9.63	32.56	25.14	284.1	.69	.07	1486.2
30	8.41	32.88	25.57	242.7	.95	.13	1482.2
50	7.90	33.40	26.06	196.8	1.40	.31	1481.3
75	7.70	33.65	26.28	175.8	1.86	.59	1481.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
83.7	7.59	33.74	26.37	168.2	2.01	.71	1481.1

WIND MIXED LAYER DEPTH = 8.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-14
STN:OE 4
80/8/4
0
3
6
9
12
15
TEMPERATURE C

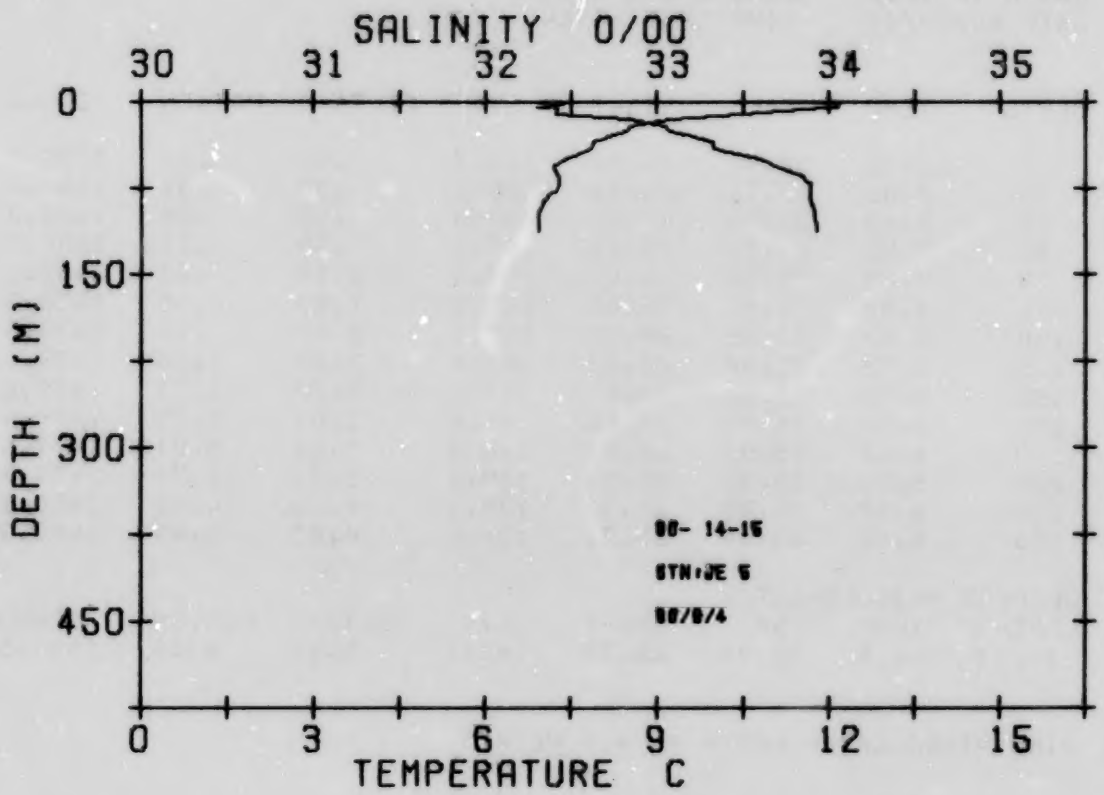
CRUISE : C.O.D.E. 80-14.
STATION: OE 4 CONS #014
LAT N 48 15.0 LONG W 125 01.0
DATE 80/09/04 TIME (PST) 1724

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.03	32.46	24.82	313.7	.00	.00	1490.9
10	8.85	32.78	25.43	256.2	.30	.01	1483.4
20	8.43	32.95	25.62	237.9	.55	.05	1482.2
30	7.93	33.13	25.84	217.4	.78	.11	1480.7
50	7.89	33.38	26.04	198.4	1.19	.27	1481.2
75	7.00	33.81	26.50	155.0	1.63	.55	1478.7
100	6.83	33.89	26.59	147.0	2.01	.88	1478.5
125	6.73	33.92	26.63	143.4	2.37	1.28	1478.6
150	6.73	33.93	26.64	143.1	2.73	1.77	1479.0
175	6.72	33.95	26.66	141.6	3.09	2.35	1479.4
200	6.63	33.96	26.67	140.8	3.44	3.01	1479.5
225	6.59	33.98	26.69	139.0	3.79	3.76	1479.7
250	6.57	33.98	26.70	139.1	4.14	4.58	1480.1
300	6.56	33.99	26.71	138.8	4.83	6.49	1480.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
342.3	6.56	33.98	26.70	140.1	5.42	8.38	1481.5

WIND MIXED LAYER DEPTH = 4.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
00- 14-15
STN:JE 5
00/8/4
0
3
6
9
12
15
TEMPERATURE C

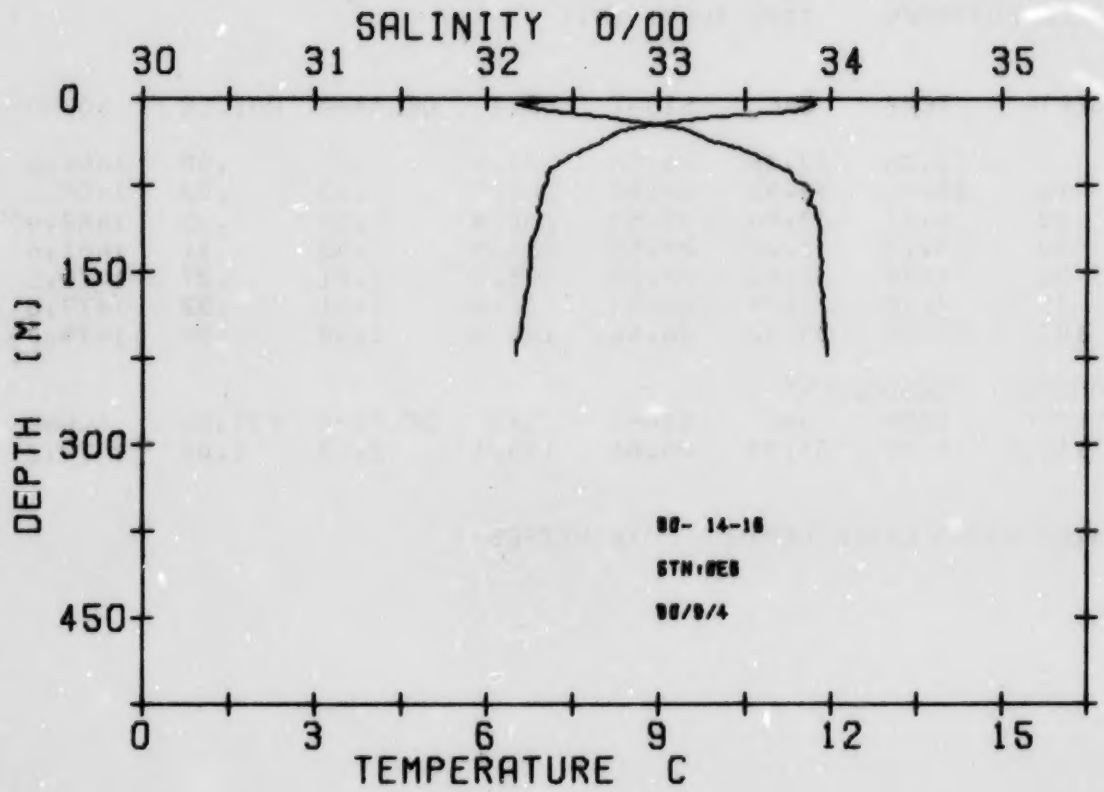
CRUISE : C.O.D.E. 80-14.
STATION: OE 5 CONS #015
LAT N 48 15.0 LONG W 125 06.0
DATE 80/09/04 TIME (PST) 1811

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.08	32.38	24.56	338.4	.00	.00	1494.5
10	10.45	32.41	24.88	308.4	.33	.02	1488.9
20	8.57	33.04	25.67	232.9	.59	.05	1482.9
30	8.13	33.22	25.88	213.4	.82	.11	1481.6
50	7.38	33.60	26.29	175.1	1.21	.27	1479.5
75	7.26	33.89	26.53	152.4	1.61	.52	1479.8
100	6.92	33.92	26.60	145.8	1.98	.84	1479.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
112.9	6.92	33.93	26.61	145.1	2.17	1.04	1479.2

WIND MIXED LAYER DEPTH = 3.6 METRES


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-16
STN:0E6
80/9/4
0
3
6
9
12
15
TEMPERATURE C

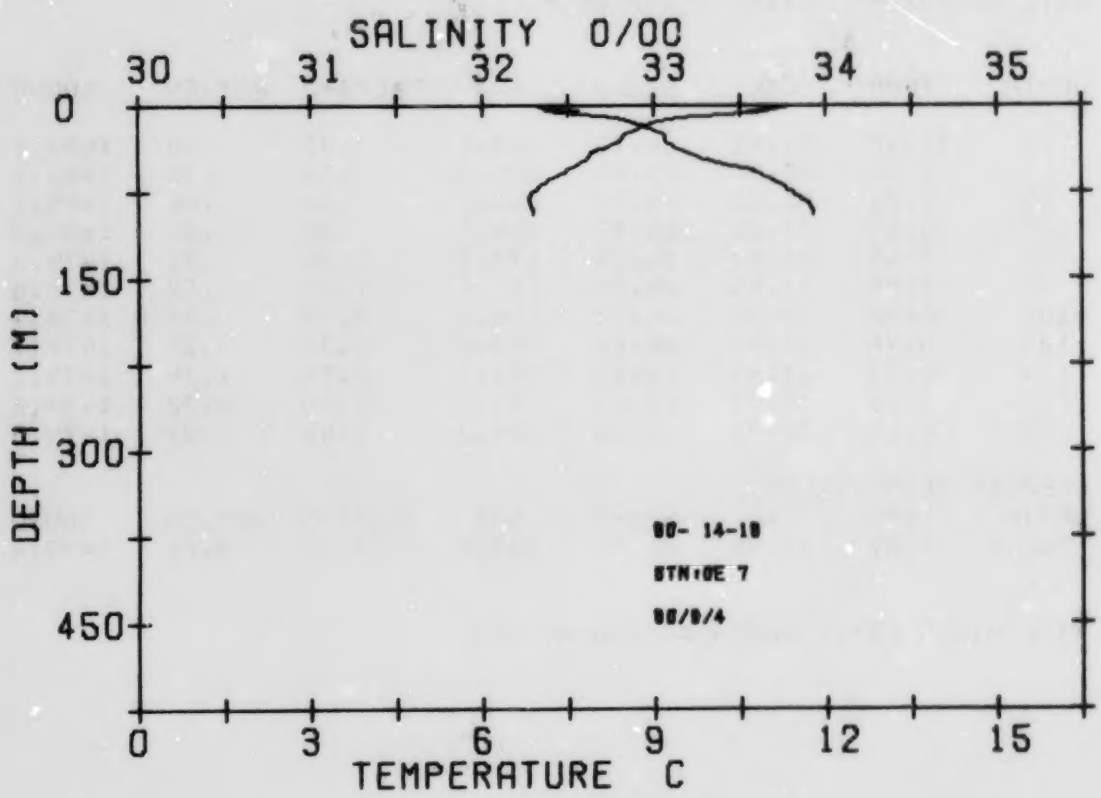
CRUISE : C.O.D.E. 80-14.
STATION: OE6 CONS #016
LAT N 48 15.0 LONG W 125 12.5
DATE 80/09/04 TIME (PST) 1902

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.40	32.41	24.72	323.7	.00	.00	1492.1
10	11.37	32.37	24.69	326.5	.34	.02	1492.1
20	9.22	32.86	25.43	256.2	.62	.06	1485.1
30	8.20	33.21	25.87	214.8	.85	.12	1481.9
50	7.45	33.58	26.26	177.7	1.24	.27	1479.8
75	7.00	33.85	26.54	151.5	1.65	.52	1478.8
100	6.92	33.91	26.60	146.3	2.02	.85	1478.9
125	6.76	33.94	26.64	142.6	2.38	1.25	1478.7
150	6.73	33.95	26.65	142.1	2.74	1.74	1479.1
175	6.66	33.95	26.66	141.1	3.09	2.32	1479.2
200	6.59	33.97	26.69	139.2	3.44	2.97	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
221.8	6.51	33.98	26.71	137.6	3.74	3.61	1479.4

WIND MIXED LAYER DEPTH = 7.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-18
STN:OE 7
80/9/4
0
3
6
9
12
15
TEMPERATURE C

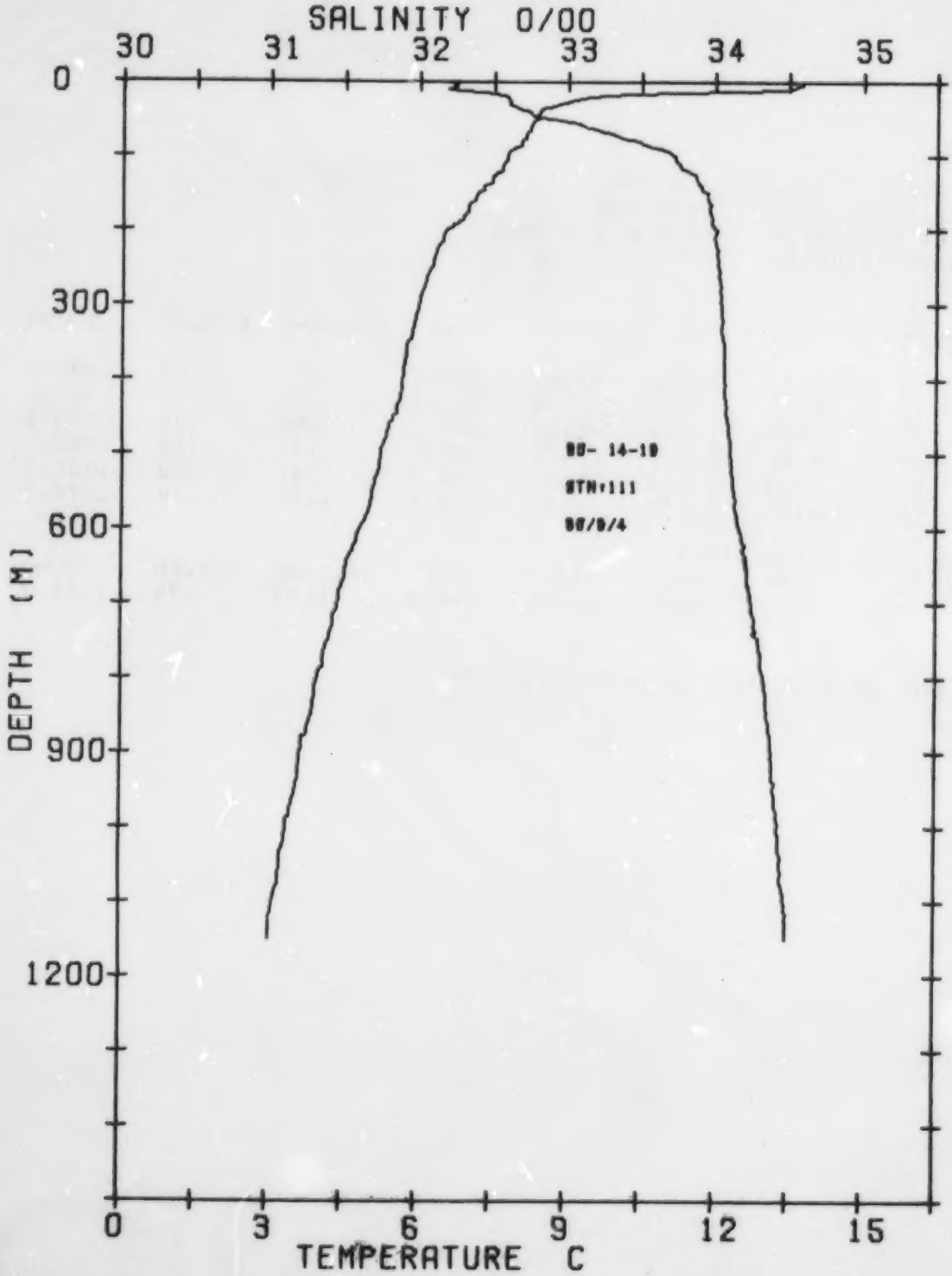
CRUISE : C.O.D.E. 80-14.
STATION: OE 7 CONS #018
LAT N 48 15.0 LONG W 125 20.0
DATE 80/09/04 TIME (PST) 2001

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.32	32.29	24.63	331.6	.00	.00	1491.7
10	9.41	32.79	25.34	264.2	.31	.01	1485.6
20	8.70	32.99	25.62	238.3	.56	.05	1483.3
30	8.41	33.07	25.72	228.5	.79	.11	1482.5
50	7.69	33.40	26.09	194.3	1.21	.28	1480.5
75	6.89	33.80	26.52	153.7	1.64	.54	1478.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
95.1	6.89	33.93	26.61	144.8	1.93	.79	1478.7

WIND MIXED LAYER DEPTH = 4.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
88- 14-19
STN:111
88/9/4
0
3
6
9
12
15
TEMPERATURE C

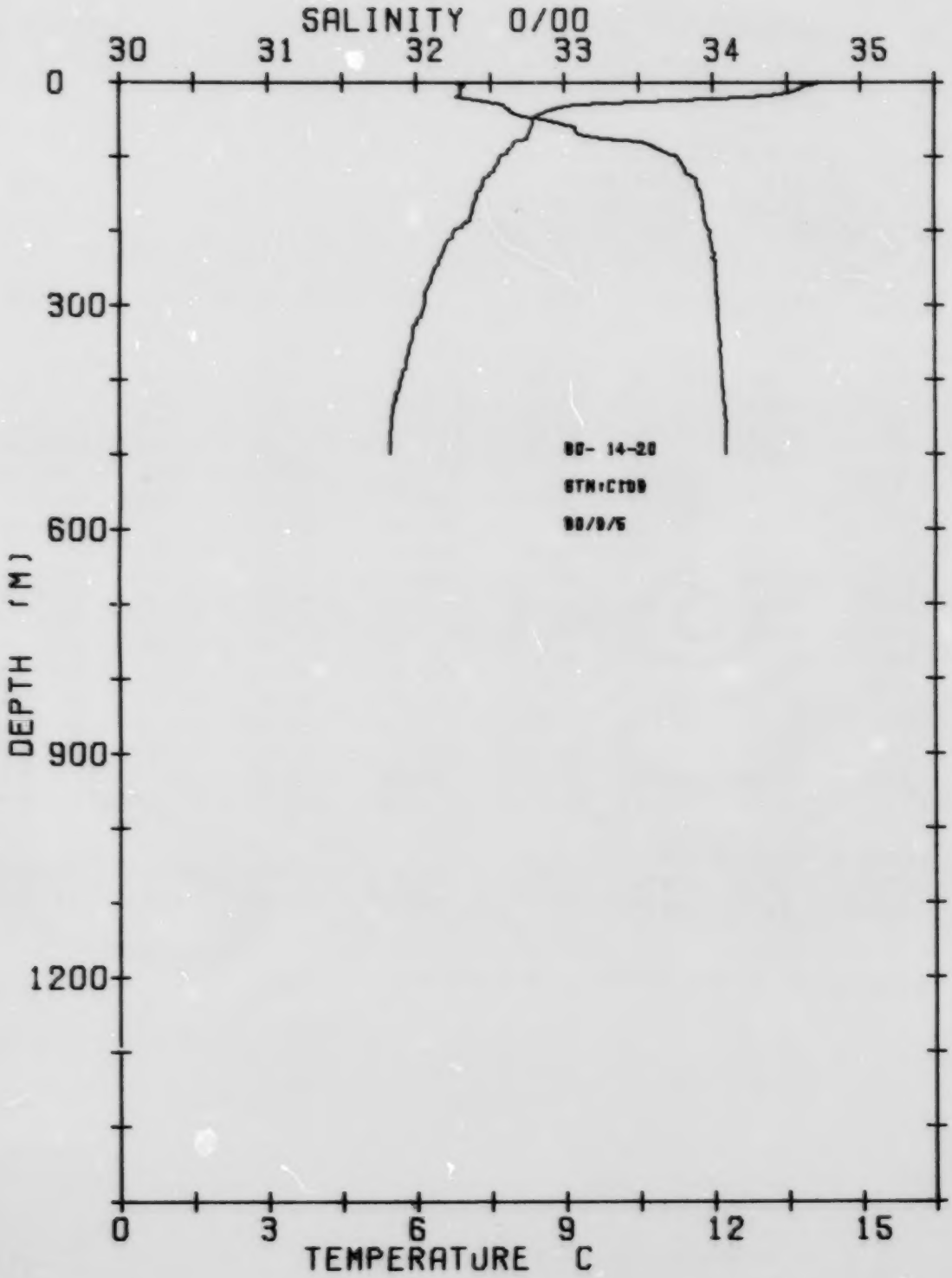
CRUISE : C.O.D.E. 80-14.
STATION: 111 CONS #019
LAT N 48 08.5 LONG W 126 00.0
DATE 80/09/04 TIME (PST) 2308

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.70	32.24	24.14	378.2	.00	.00	1499.8
10	13.46	32.19	24.15	377.7	.38	.02	1499.1
20	9.45	32.59	25.18	279.5	.69	.06	1485.6
30	8.87	32.60	25.29	269.7	.96	.13	1483.6
50	8.37	32.89	25.59	241.5	1.48	.34	1482.4
75	8.13	33.37	26.00	203.2	2.02	.68	1482.5
100	7.77	33.72	26.32	172.6	2.49	1.08	1482.0
125	7.53	33.86	26.47	158.9	2.90	1.55	1481.6
150	7.19	33.94	26.58	148.9	3.29	2.08	1480.8
175	6.98	33.96	26.63	144.6	3.66	2.68	1480.5
200	6.58	34.01	26.72	136.3	4.01	3.34	1479.3
225	6.37	34.01	26.75	133.3	4.35	4.06	1478.9
250	6.26	34.02	26.77	131.9	4.68	4.85	1478.9
300	6.01	34.04	26.82	128.0	5.33	6.63	1478.7
400	5.68	34.06	26.88	123.4	6.58	11.01	1479.1
500	5.26	34.10	26.96	116.3	7.78	16.41	1479.0
600	4.83	34.17	27.06	107.2	8.91	22.60	1479.0
800	4.00	34.33	27.28	87.3	10.85	36.11	1479.0
1000	3.36	34.43	27.42	74.2	12.46	50.56	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1150.0	3.03	34.49	27.50	66.8	13.51	61.83	1480.9

WIND MIXED LAYER DEPTH = 9.1 METRES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30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C
80- 14-20
STN:C100
80/9/5

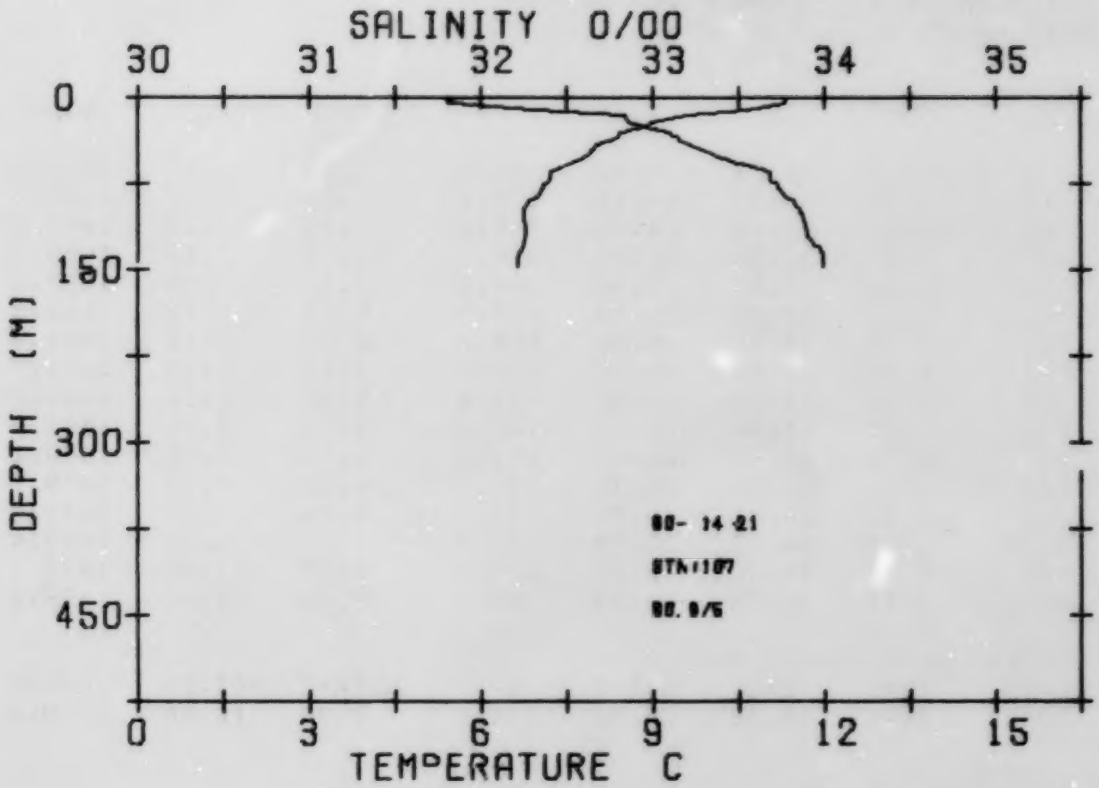
CRUISE : C.O.D.E. 80-14.
STATION: C109 CONS #020
LAT N 48 12.9 LONG W 125 52.0
DATE 80/09/05 TIME (PST) 0101

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.15	32.27	24.07	385.0	.00	.00	1501.3
10	13.75	32.30	24.18	375.4	.38	.02	1500.2
20	12.75	32.28	24.36	358.4	.75	.07	1497.0
30	9.24	32.58	25.22	276.7	1.06	.15	1485.0
50	8.38	32.86	25.56	244.0	1.58	.36	1482.4
75	8.24	33.25	25.89	213.3	2.15	.71	1482.8
100	7.72	33.76	26.36	168.6	2.61	1.12	1481.9
125	7.48	33.85	26.47	159.0	3.02	1.58	1481.5
150	7.24	33.92	26.56	151.0	3.41	2.11	1481.0
175	7.13	33.94	26.59	148.2	3.78	2.71	1481.0
200	6.79	33.98	26.67	141.3	4.15	3.40	1480.1
225	6.58	33.99	26.70	138.0	4.50	4.14	1479.7
250	6.39	34.01	26.74	134.4	4.84	4.94	1479.4
300	6.17	34.03	26.79	130.7	5.50	6.76	1479.4
400	5.70	34.06	26.87	123.7	6.77	11.20	1479.2
500	5.45	34.08	26.92	120.4	7.98	16.65	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
500.2	5.45	34.08	26.92	120.4	7.98	16.66	1479.8

WIND MIXED LAYER DEPTH = 15.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

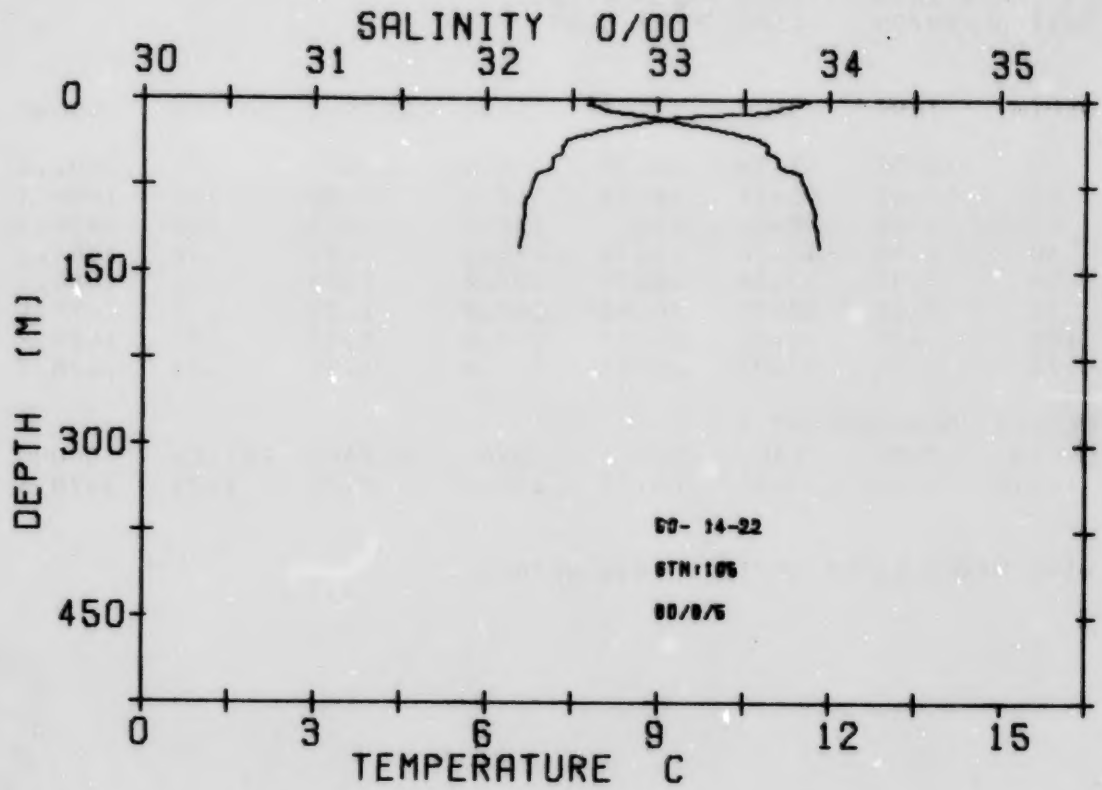
CRUISE : C.O.D.E. 80-14.
STATION: 107 CONS #021
LAT N 48 18.6 LONG W 125 41.2
DATE 80/09/05 TIME (PST) 0230

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.32	31.79	24.25	368.5	.00	.00	1491.1
10	10.61	32.32	24.79	317.2	.35	.02	1489.3
20	9.00	32.86	25.47	252.5	.63	.06	1484.3
30	8.43	33.10	25.74	226.5	.87	.12	1482.6
50	7.80	33.38	26.05	197.2	1.29	.29	1480.9
75	7.12	33.72	26.42	162.9	1.73	.56	1479.1
100	6.75	33.86	26.58	147.6	2.12	.90	1478.2
125	6.74	33.93	26.63	143.4	2.49	1.31	1478.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
146.4	6.62	33.99	26.70	137.5	2.78	1.71	1478.6

WIND MIXED LAYER DEPTH = 4.2 METRES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31
32
33
34
35
0
150
300
450
DEPTH (M)
CO- 14-22
STN:105
80/8/5
0
3
6
9
12
15
TEMPERATURE C

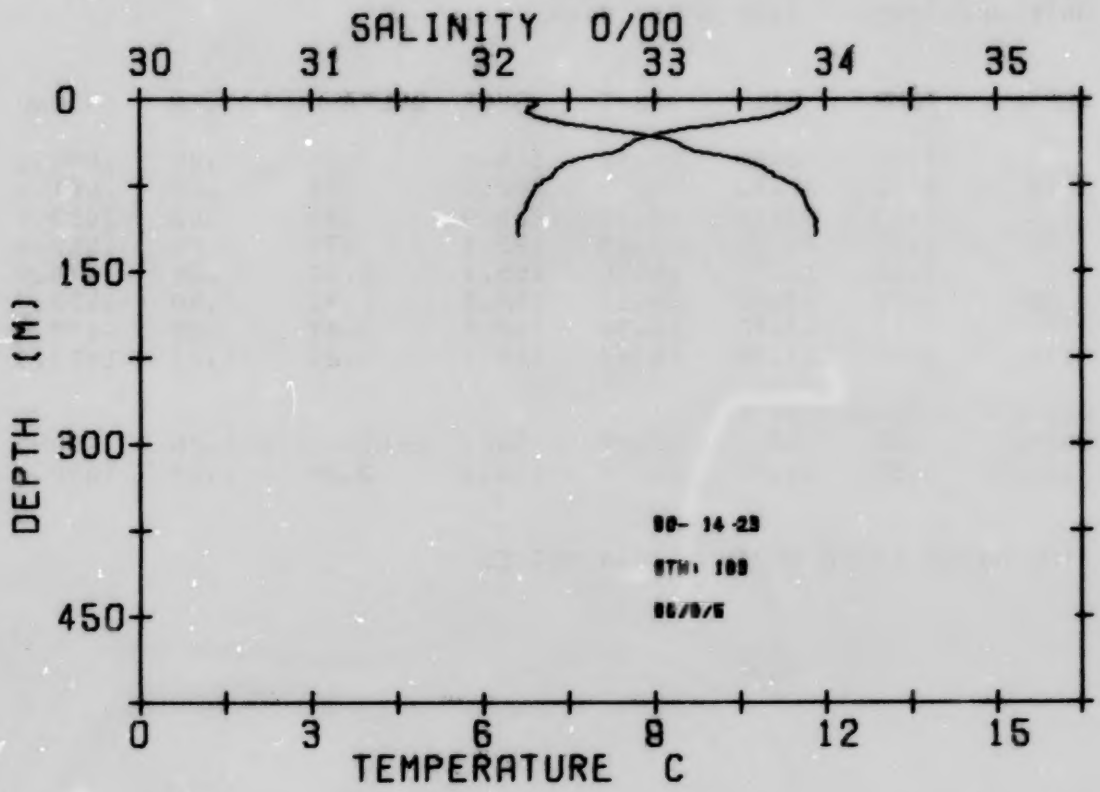
CRUISE : C.O.D.E. 80-14.
STATION: 105 CONS #022
LAT N 48 25.5 LONG W 125 28.3
DATE 80/09/05 TIME (PST) 0404

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.65	32.59	24.81	314.8	.00	.00	1493.2
10	10.92	32.73	25.05	292.5	.31	.02	1491.0
20	8.65	33.15	25.75	225.9	.56	.05	1483.3
30	7.75	33.46	26.13	190.1	.77	.10	1480.5
50	7.18	33.70	26.39	165.1	1.12	.24	1478.9
75	6.78	33.86	26.57	148.3	1.51	.49	1477.9
100	6.65	33.92	26.64	142.5	1.87	.80	1477.9
125	6.57	33.94	26.67	140.2	2.22	1.20	1478.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
129.4	6.56	33.94	26.66	140.3	2.29	1.28	1478.0

WIND MIXED LAYER DEPTH = 4.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 103 CONS #023
LAT N 48 32.2 LONG W 125 15.5
DATE 80/09/05 TIME (PST) 0539

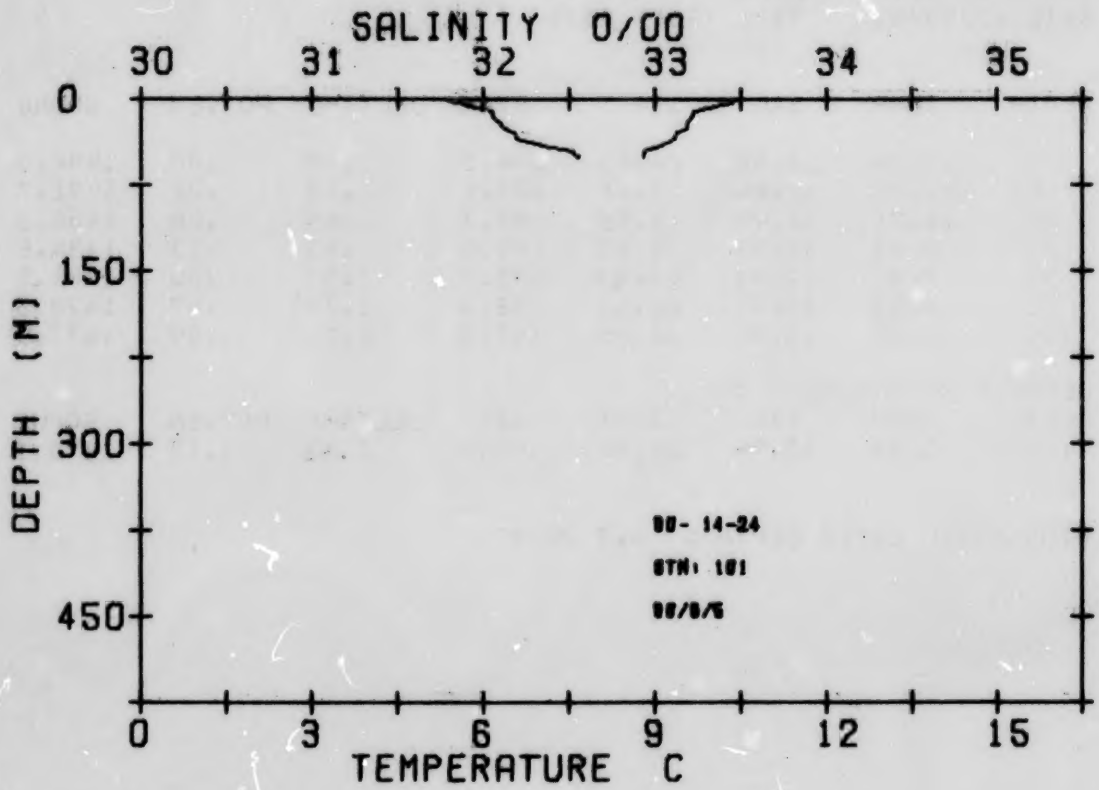
DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.54	32.30	24.60	334.3	.00	.00	1492.5
10	11.31	32.25	24.61	334.4	.33	.02	1491.7
20	10.21	32.49	24.98	298.7	.65	.06	1488.3
30	9.03	32.91	25.50	249.6	.93	.13	1484.6
50	7.81	33.43	26.09	193.7	1.37	.31	1481.0
75	6.93	33.83	26.53	152.3	1.79	.57	1478.5
100	6.65	33.93	26.65	141.3	2.16	.89	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
118.9	6.62	33.94	26.66	140.9	2.43	1.18	1478.1

WIND MIXED LAYER DEPTH = 4.7 METRES

42

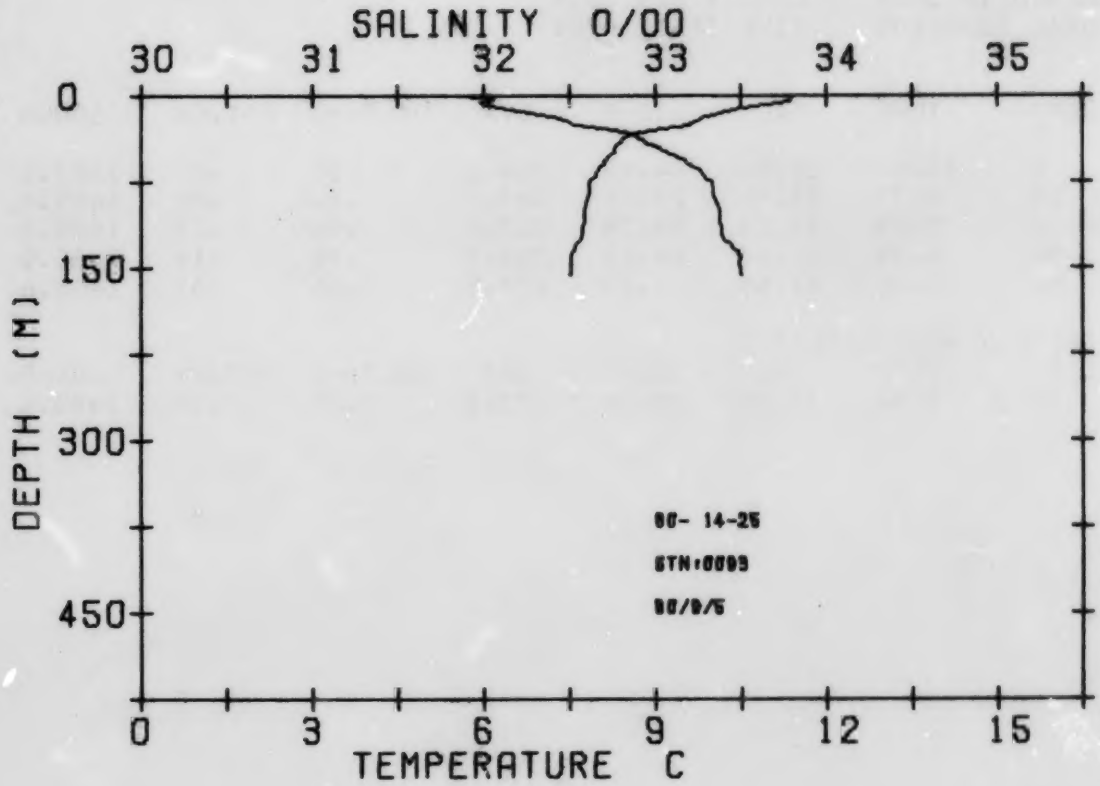

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 101 CONS #024
LAT N 48 39.0 LONG W 125 02.5
DATE 80/09/05 TIME (PST) 0701

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.44	31.78	24.40	354.1	.00	.00	1487.9
10	9.73	32.04	24.71	324.3	.34	.02	1485.8
20	9.59	32.10	24.78	317.8	.66	.07	1485.5
30	9.39	32.18	24.88	308.7	.98	.14	1485.0
50	8.80	32.55	25.26	272.8	1.56	.37	1483.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
50.9	8.80	32.55	25.26	273.1	1.58	.39	1483.6


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

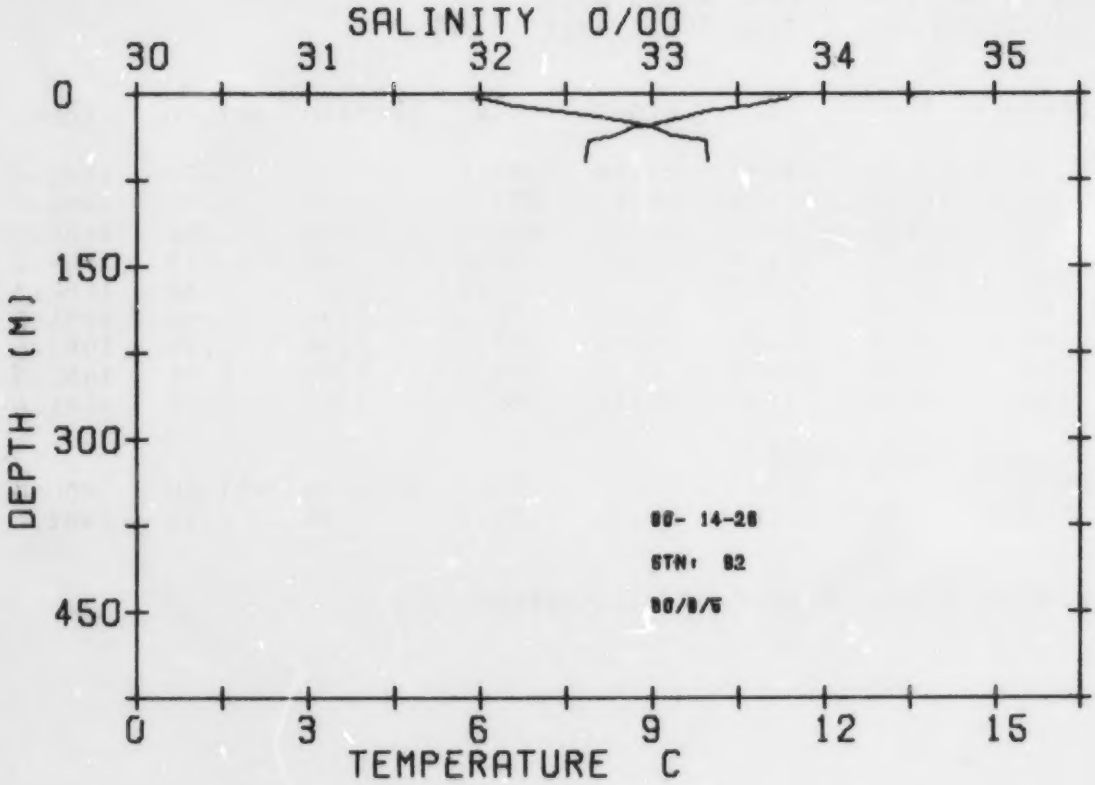
CRUISE : C.O.D.E. 80-14.
STATION: 0093 CONS #025
LAT N 48 41.0 LONG W 125 27.5
DATE 80/09/05 TIME (PST) 0917

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.42	31.94	24.35	359.1	.00	.00	1491.6
10	10.54	32.09	24.61	333.7	.35	.02	1488.8
20	9.83	32.44	25.01	296.1	.66	.06	1486.8
30	8.98	32.76	25.39	259.8	.94	.13	1484.2
50	8.28	33.07	25.74	227.0	1.42	.32	1482.3
75	7.87	33.33	26.01	202.2	1.95	.65	1481.5
100	7.77	33.37	26.06	197.9	2.46	1.09	1481.6
125	7.72	33.40	26.09	195.3	2.95	1.65	1481.8
150	7.53	33.50	26.19	186.0	3.42	2.29	1481.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
156.5	7.51	33.51	26.20	185.0	3.54	2.48	1481.6

WIND MIXED LAYER DEPTH = 3.6 METRES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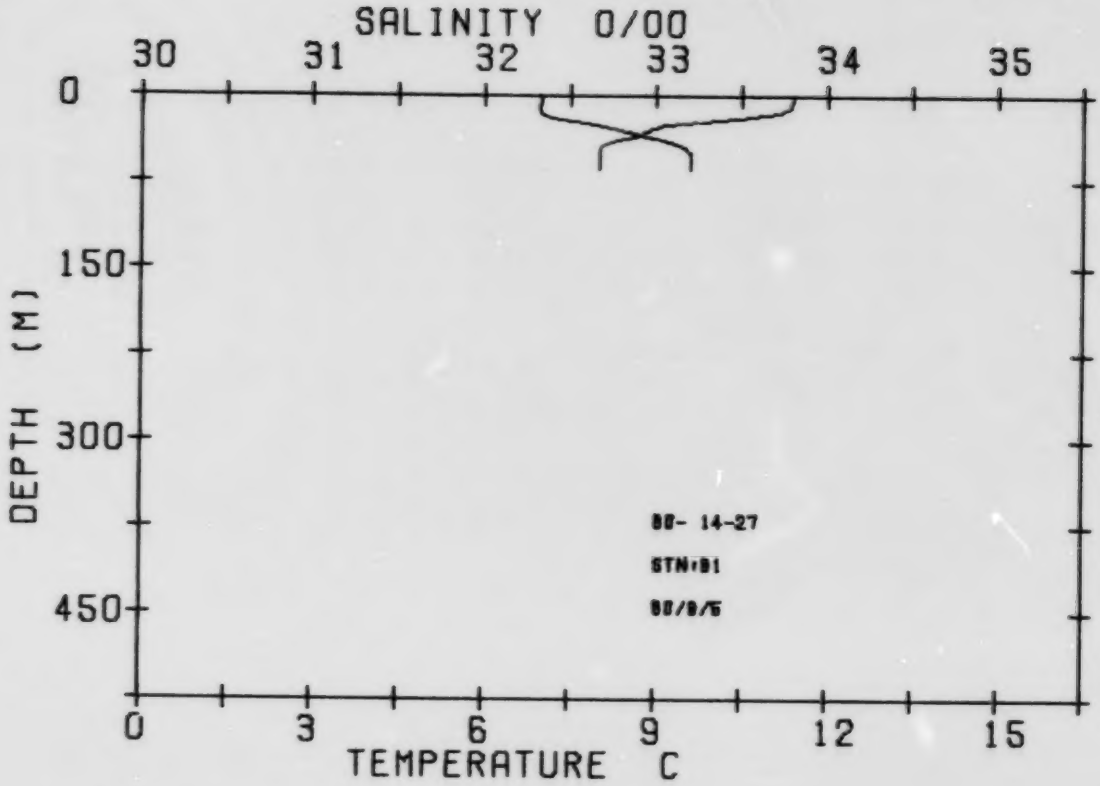
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-26
STN: 82
80/8/5
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 92 CONS #026
LAT N 48 39.5 LONG W 125 39.0
DATE 80/09/05 TIME (PST) 1011

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.42	31.98	24.37	356.3	.00	.00	1491.6
10	10.67	32.20	24.68	327.3	.35	.02	1489.4
20	9.56	32.70	25.25	272.9	.65	.06	1486.2
30	8.58	33.04	25.67	233.1	.90	.12	1483.1
50	7.85	33.32	26.01	201.9	1.32	.29	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
58.3	7.82	33.33	26.01	201.2	1.49	.38	1481.0

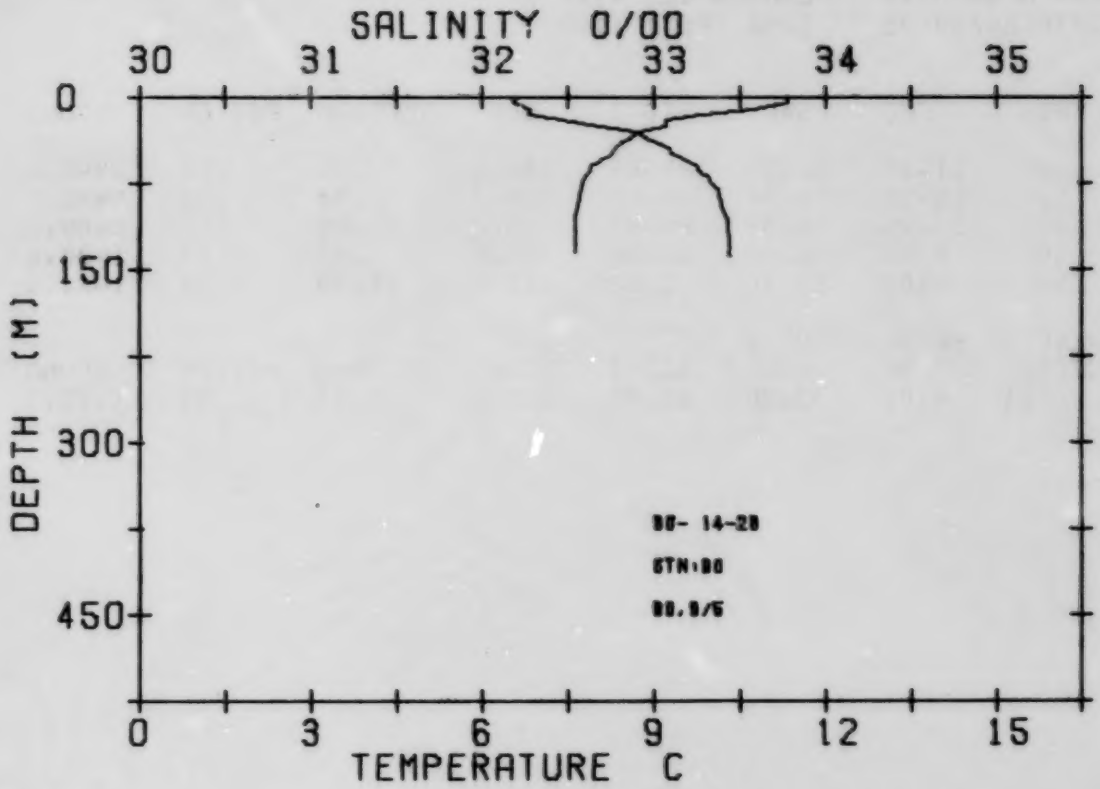

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
BB- 14-27
STN:B1
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 91 CONS #027
LAT N 48 37.0 LONG W 125 47.0
DATE 80/09/05 TIME (PST) 1102

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.39	32.32	24.65	330.2	.00	.00	1492.0
10	11.36	32.32	24.66	329.7	.33	.02	1492.0
20	10.45	32.39	24.87	309.8	.65	.06	1489.0
30	8.90	32.80	25.44	255.8	.93	.13	1484.0
50	8.00	33.20	25.88	213.5	1.39	.32	1481.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
65.1	8.01	33.20	25.88	213.6	1.71	.50	1481.7


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

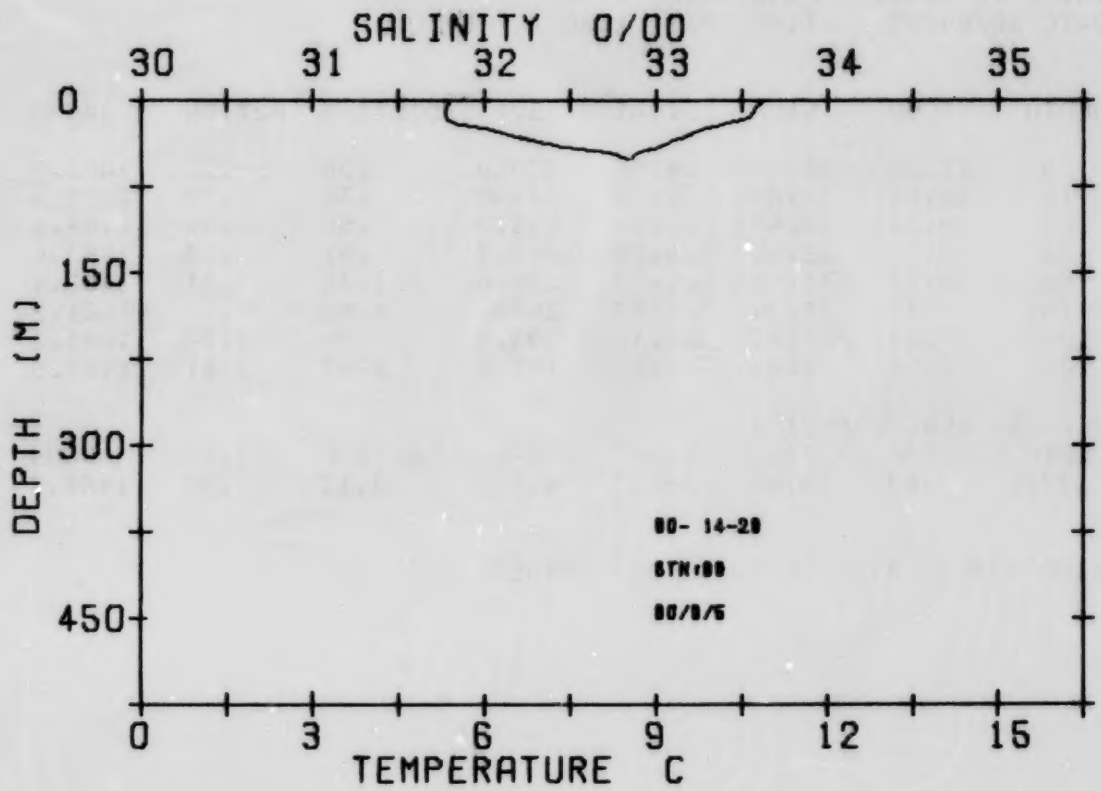
CRUISE : C.O.D.E. 80-14.
STATION: 90 CONS #028
LAT N 48 42.5 LONG W 125 47.0
DATE 80/09/05 TIME (PST) 1150

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.35	32.19	24.56	339.0	.00	.00	1491.7
10	10.80	32.27	24.71	324.2	.34	.02	1490.0
20	9.24	32.47	25.12	285.3	.64	.06	1484.6
30	8.77	32.89	25.53	246.7	.91	.13	1483.6
50	8.29	33.11	25.77	224.0	1.38	.31	1482.4
75	7.79	33.34	26.03	200.3	1.90	.64	1481.2
100	7.66	33.41	26.10	193.5	2.39	1.07	1481.2
125	7.62	33.44	26.13	191.6	2.87	1.61	1481.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
137.6	7.63	33.44	26.13	191.6	3.11	1.93	1481.7

WIND MIXED LAYER DEPTH = 3.7 METRES

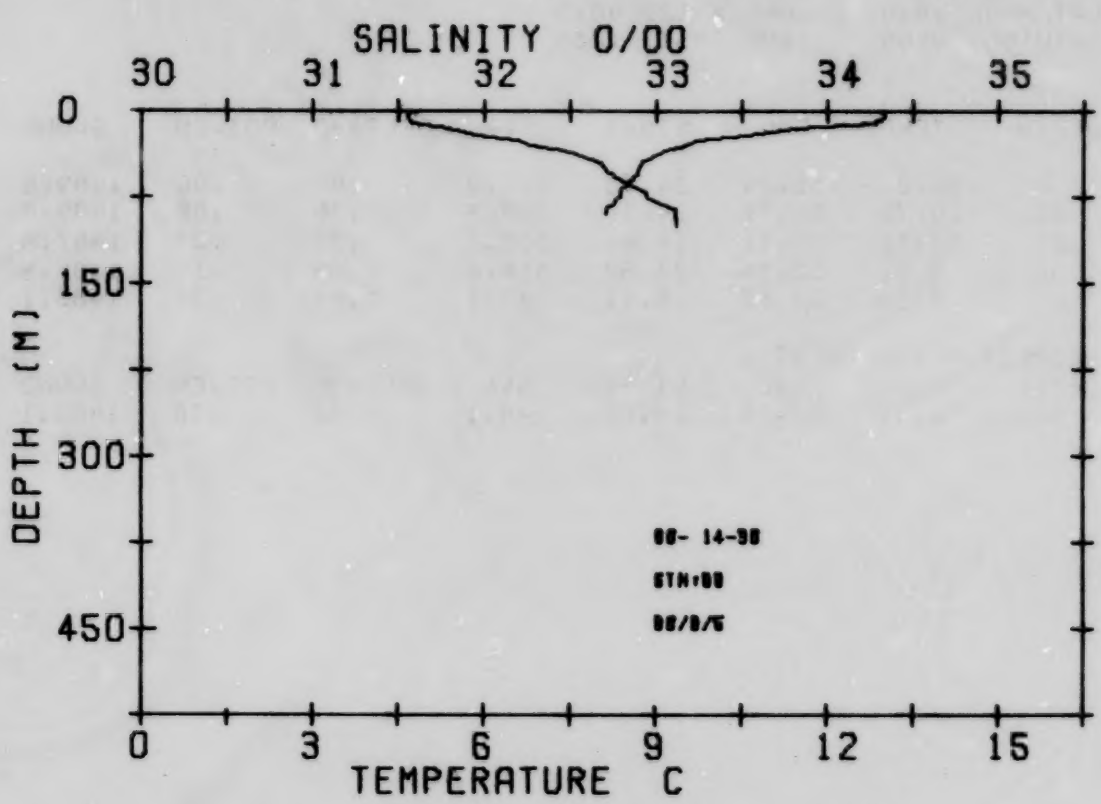

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-20
STN:80
80/8/5
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 89 CONS #029
LAT N 48 48.0 LONG W 125 46.5
DATE 80/09/05 TIME (PST) 1238

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.89	31.79	24.33	360.9	.00	.00	1489.5
10	10.72	31.77	24.34	359.8	.36	.02	1489.0
20	10.31	31.81	24.44	350.3	.72	.07	1487.8
30	9.61	32.15	24.82	314.8	1.05	.15	1485.8
50	8.58	32.83	25.51	249.1	1.61	.38	1483.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
50.5	8.57	32.84	25.52	248.1	1.62	.38	1483.1


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

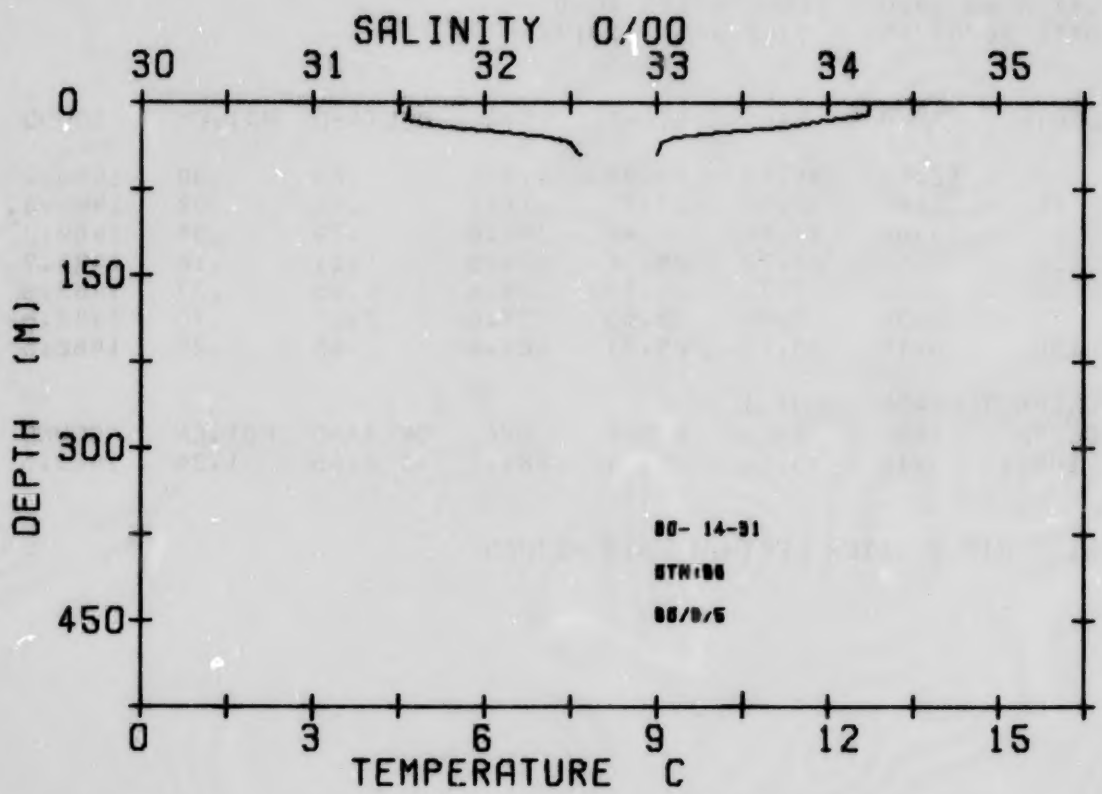
CRUISE : C.O.D.E. 80-14.
STATION: 88 CONS #030
LAT N 48 54.0 LONG W 125 46.0
DATE 80/09/05 TIME (PST) 1317

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.95	31.57	23.77	413.8	.00	.00	1496.4
10	12.86	31.58	23.80	411.7	.41	.02	1496.3
20	10.66	31.94	24.48	346.6	.79	.08	1489.2
30	9.54	32.27	24.92	304.5	1.11	.16	1485.7
50	8.72	32.71	25.39	259.9	1.66	.37	1483.5
75	8.36	32.95	25.63	237.6	2.28	.76	1482.8
100	8.10	33.12	25.81	221.1	2.85	1.25	1482.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.1	8.10	33.12	25.81	221.1	2.85	1.26	1482.5

WIND MIXED LAYER DEPTH = 8.9 METRES

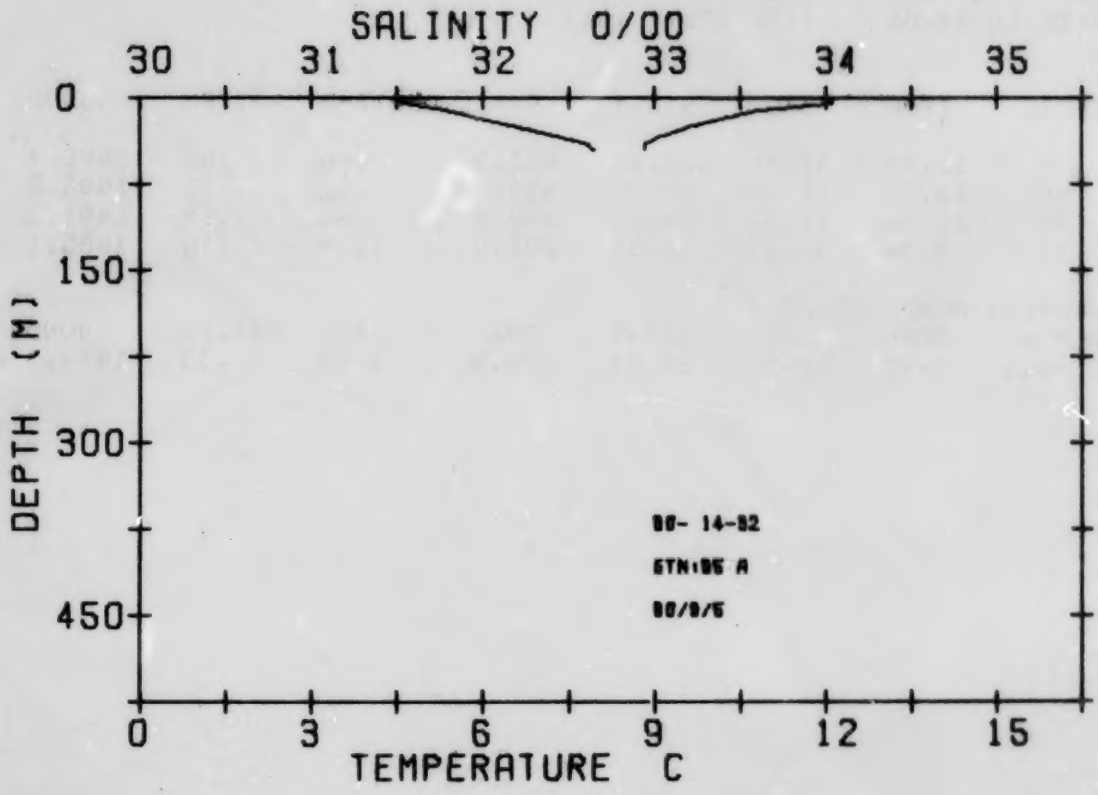

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-31
STN:86
80/9/5
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 86 CONS #031
LAT N 49 00.5 LONG W 125 55.0
DATE 80/09/05 TIME (PST) 1417

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.73	31.56	23.81	410.3	.00	.00	1495.7
10	12.71	31.56	23.81	410.3	.41	.02	1495.8
20	11.36	31.75	24.21	372.2	.81	.08	1491.5
30	9.34	32.38	25.04	293.0	1.14	.16	1485.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
45.5	8.99	32.56	25.24	274.9	1.57	.33	1484.3


SALINITY 0/00
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31
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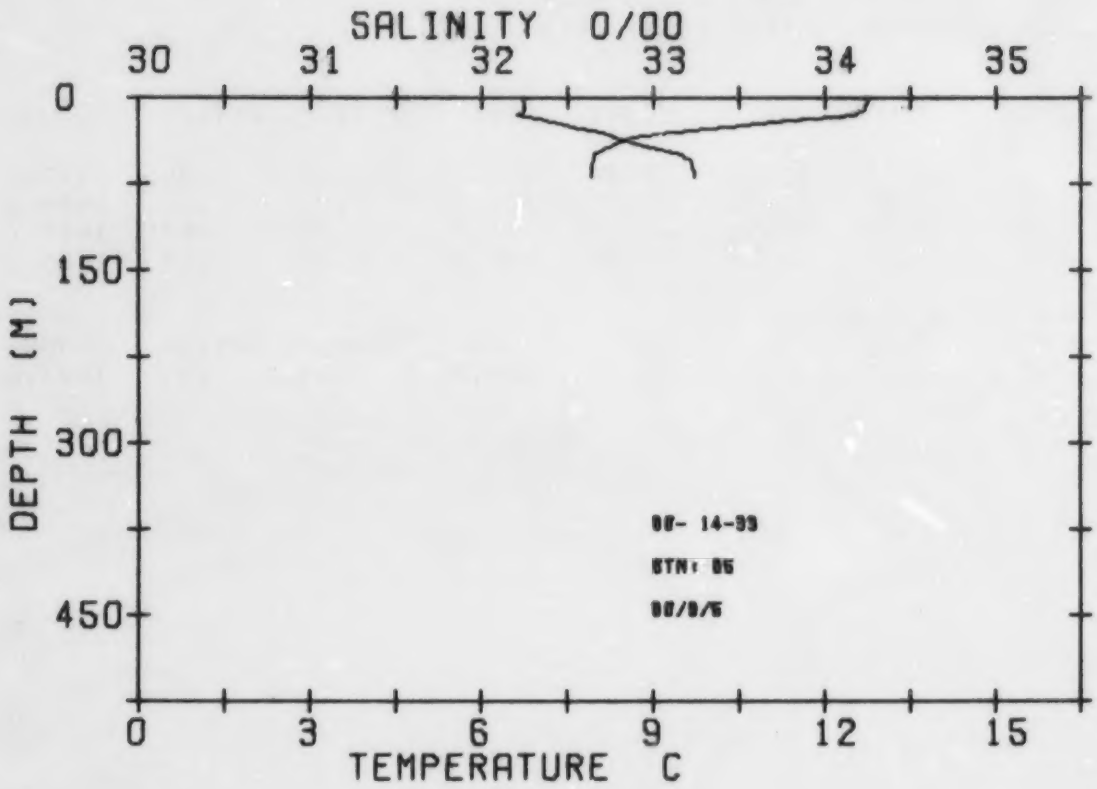
33
34
35
0
150
300
450
DEPTH (M)
80- 14-82
STN:85 A
80/9/5
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 85 A CONS #032
LAT N 48 58.0 LONG W 125 59.0
DATE 80/09/05 TIME (PST) 1442

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.13	31.52	23.89	402.3	.00	.00	1493.6
10	10.89	31.78	24.32	361.7	.39	.02	1489.6
20	10.06	32.03	24.65	330.7	.74	.07	1487.1
30	9.37	32.34	25.00	296.8	1.05	.15	1485.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
45.1	8.83	32.65	25.33	266.2	1.47	.30	1483.8

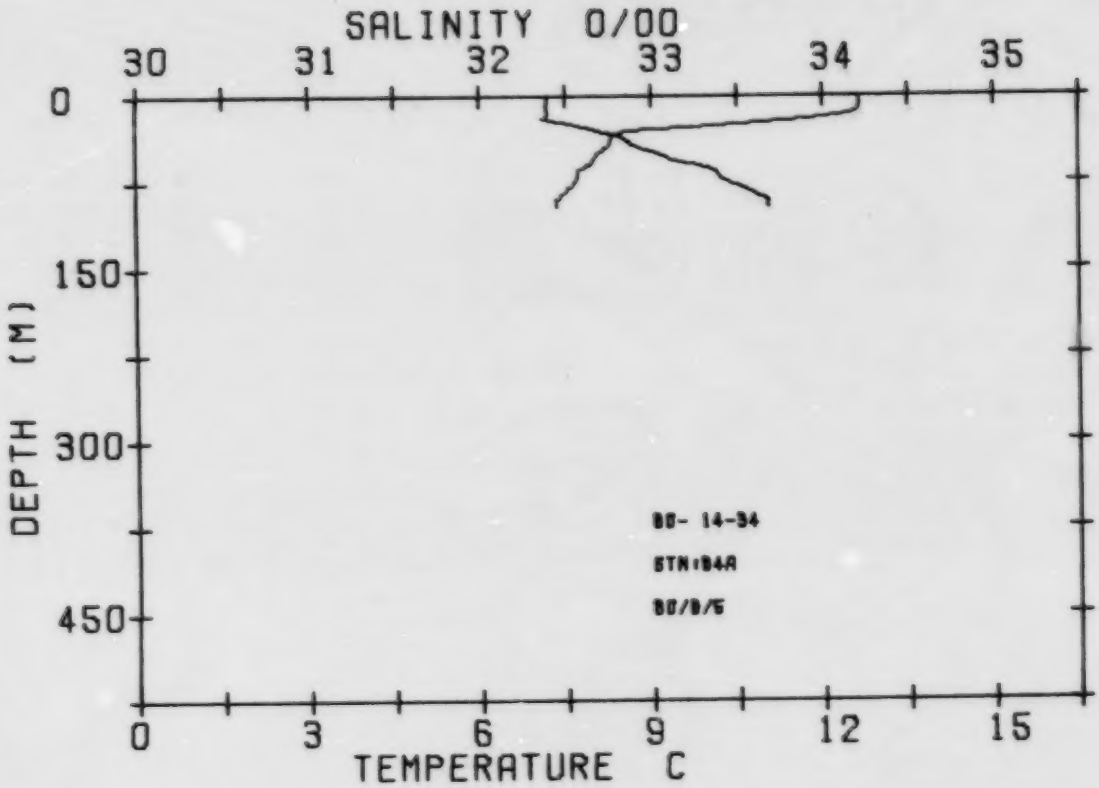

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 85 CONS #033
LAT N 48 55.0 LONG W 126 03.2
DATE 80/09/05 TIME (PST) 1517

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.74	32.25	24.34	359.7	.00	.00	1496.5
10	12.70	32.25	24.35	358.9	.36	.02	1496.6
20	11.44	32.37	24.68	327.9	.71	.07	1492.5
30	9.39	32.70	25.28	270.2	1.01	.14	1485.7
50	7.97	33.17	25.87	215.0	1.49	.34	1481.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
68.8	7.92	33.24	25.93	209.5	1.89	.57	1481.4


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
BD- 14-34
STN:B4A
BD/B/5
0
3
6
9
12
15
TEMPERATURE C

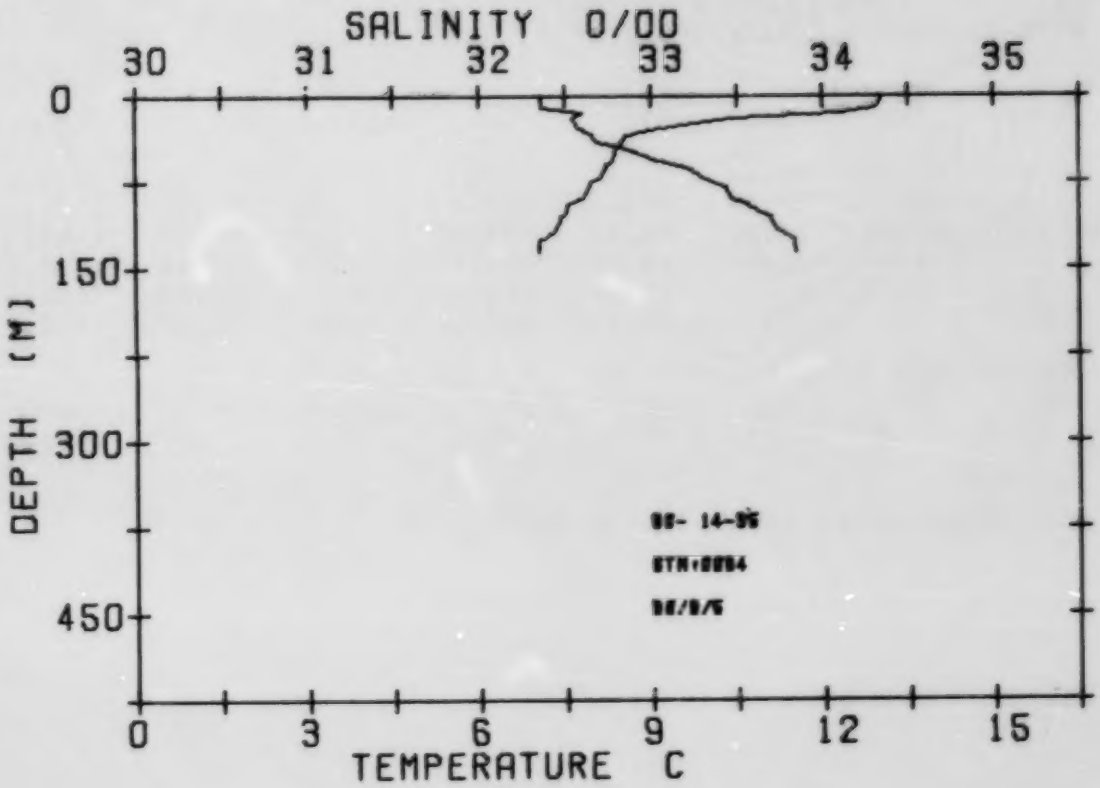
CRUISE : C.O.D.E. 80-14.
STATION: 84A CONS #034
LAT N 48 52.0 LONG W 126 08.1
DATE 80/09/05 TIME (PST) 1558

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.65	32.40	24.47	347.3	.00	.00	1496.4
10	12.62	32.39	24.47	347.2	.35	.02	1496.5
20	11.74	32.37	24.62	333.0	.69	.07	1493.6
30	8.58	32.69	25.40	259.1	.98	.14	1482.6
50	8.06	33.04	25.75	226.0	1.47	.33	1481.4
75	7.64	33.46	26.14	189.6	1.98	.65	1480.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
96.3	7.34	33.69	26.36	168.6	2.35	.97	1480.2

WIND MIXED LAYER DEPTH = 17.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

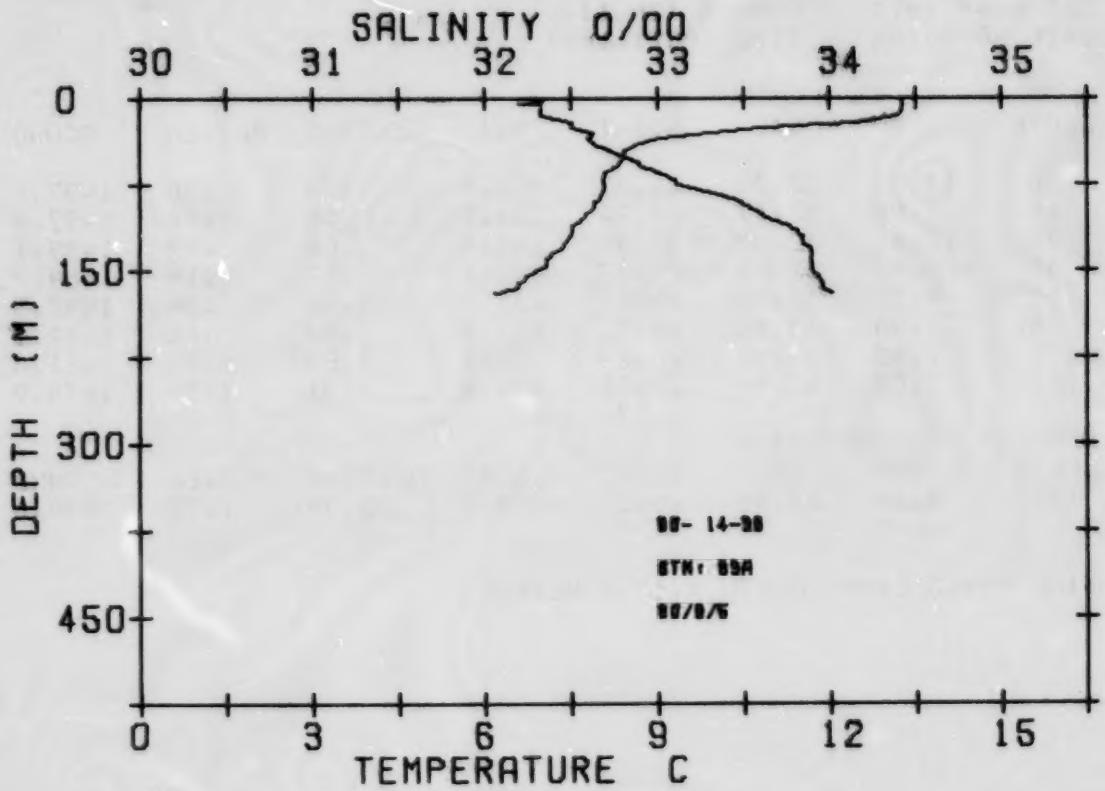
CRUISE : C.O.D.E. 80-14.
STATION: 0084 CONS #035
LAT N 48 49.0 LONG W 126 13.0
DATE 80/09/05 TIME (PST) 1644

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.02	32.36	24.37	356.6	.00	.00	1497.6
10	12.92	32.37	24.40	354.1	.36	.02	1497.5
20	10.41	32.54	24.99	298.4	.68	.07	1489.1
30	8.97	32.60	25.27	271.1	.97	.14	1484.0
50	8.37	32.92	25.61	239.2	1.48	.34	1482.5
75	7.98	33.36	26.01	201.4	2.02	.68	1481.9
100	7.53	33.62	26.29	176.1	2.50	1.09	1481.0
125	7.08	33.84	26.52	154.2	2.91	1.56	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.8	7.05	33.85	26.53	153.5	3.08	1.77	1480.0

WIND MIXED LAYER DEPTH = 10.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

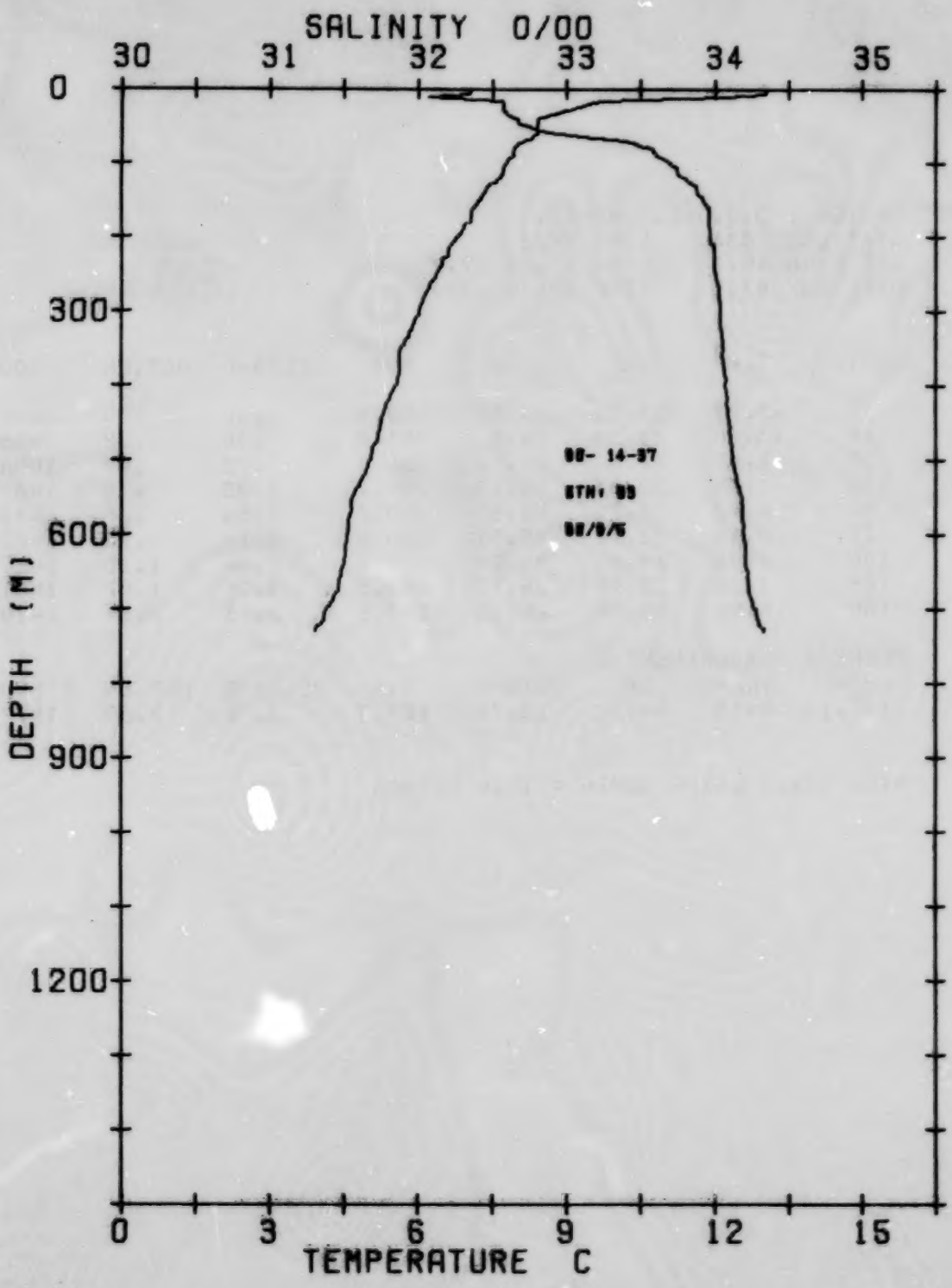
CRUISE : C.O.D.E. 80-14.
STATION: 83A CONS #036
LAT N 48 46.1 LONG W 126 17.7
DATE 80/09/05 TIME (PST) 1724

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.27	32.34	24.30	362.9	.00	.00	1498.5
10	13.26	32.33	24.30	363.4	.36	.02	1498.6
20	12.47	32.50	24.58	336.7	.72	.07	1496.3
30	9.95	32.63	25.13	284.7	1.03	.15	1487.7
50	8.42	32.79	25.50	249.7	1.56	.36	1482.5
75	8.10	33.12	25.81	220.9	2.14	.72	1482.1
100	7.76	33.61	26.24	180.4	2.64	1.15	1481.8
125	7.38	33.84	26.47	158.5	3.05	1.62	1481.0
150	6.91	33.90	26.59	147.5	3.43	2.14	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
170.1	6.18	34.02	26.78	129.7	3.72	2.59	1477.3

WIND MIXED LAYER DEPTH = 15.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

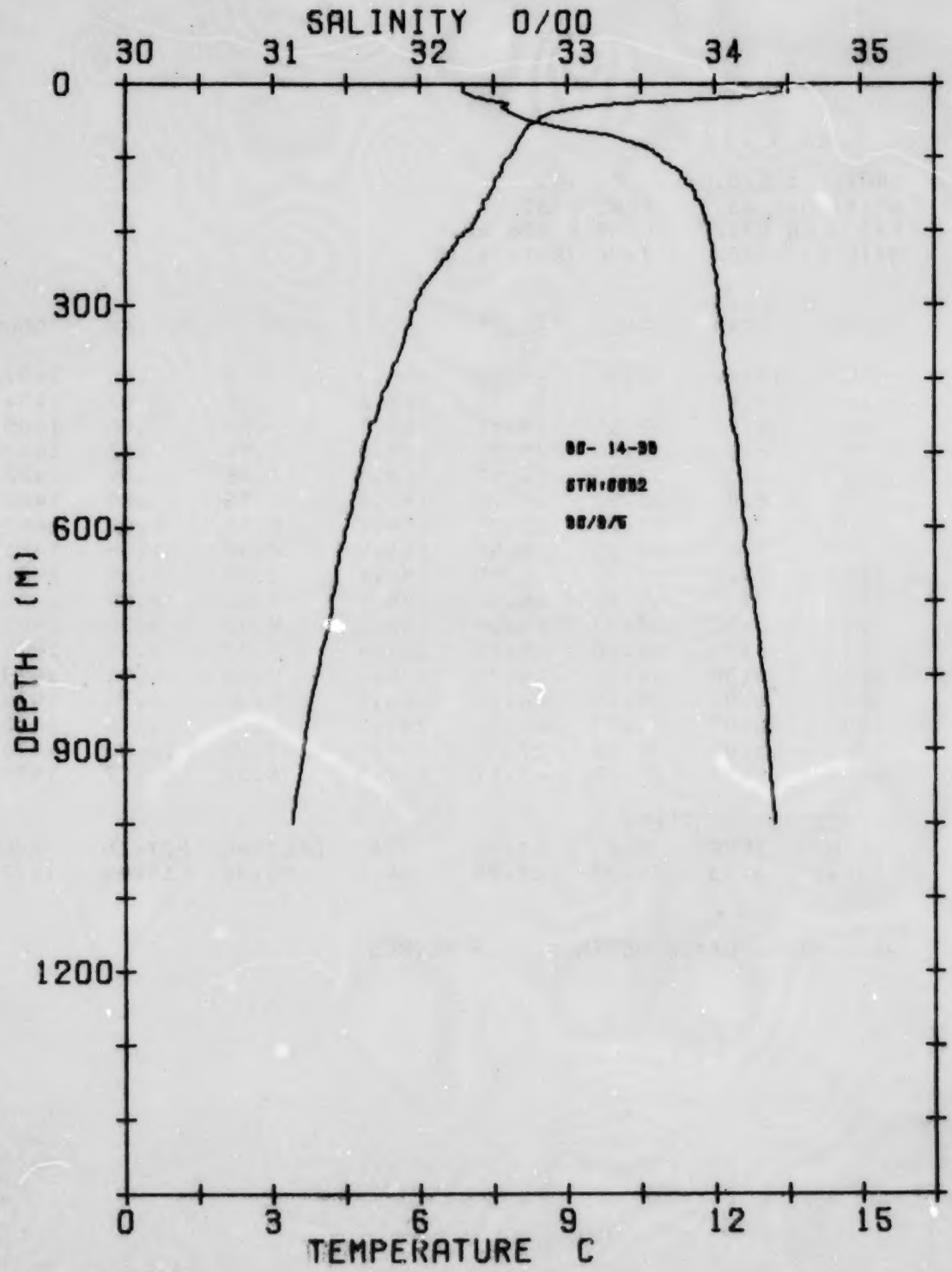
CRUISE : C.O.D.E. 80-14.
STATION: 83 CONS #037
LAT N 48 43.2 LONG W 126 22.5
DATE 80/09/05 TIME (PST) 1810

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.04	32.35	24.35	358.2	.00	.00	1497.7
10	12.25	32.07	24.30	363.8	.36	.02	1494.8
20	9.48	32.58	25.17	280.7	.66	.06	1485.7
30	8.95	32.59	25.26	272.0	.94	.13	1483.9
50	8.39	32.75	25.47	252.5	1.46	.34	1482.3
75	8.03	33.50	26.12	191.8	2.03	.69	1482.3
100	7.80	33.70	26.31	174.1	2.48	1.08	1482.1
125	7.58	33.83	26.44	161.9	2.90	1.56	1481.8
150	7.26	33.92	26.55	151.4	3.29	2.09	1481.1
175	7.07	33.96	26.62	145.6	3.66	2.69	1480.8
200	6.81	33.97	26.66	142.0	4.02	3.36	1480.2
225	6.59	34.00	26.71	137.4	4.37	4.10	1479.8
250	6.38	34.01	26.75	134.0	4.71	4.91	1479.4
300	6.03	34.04	26.82	128.1	5.36	6.71	1478.8
400	5.57	34.07	26.90	121.1	6.60	11.04	1478.6
500	5.06	34.12	27.00	112.4	7.76	16.26	1478.3
600	4.59	34.20	27.11	102.0	8.82	22.07	1478.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
730.1	3.93	34.33	27.28	86.1	10.08	30.44	1477.6

WIND MIXED LAYER DEPTH = 7.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

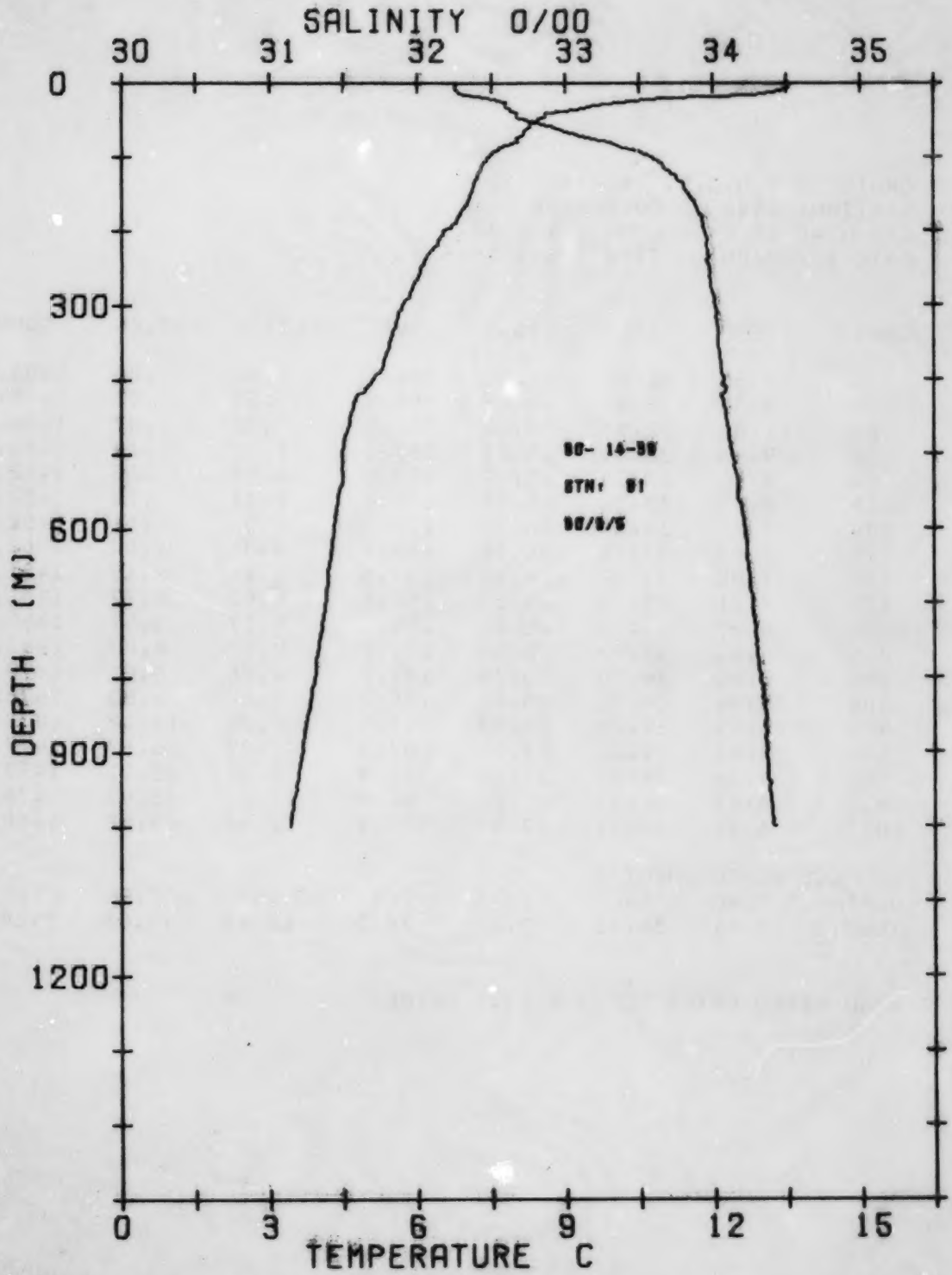
CRUISE : C.O.D.E. 80-14.
STATION: 0082 CONS #038
LAT N 48 37.2 LONG W 126 32.0
DATE 80/09/05 TIME (PST) 1945

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.39	32.29	24.25	368.5	.00	.00	1498.8
10	13.38	32.29	24.25	368.4	.37	.02	1498.9
20	11.89	32.43	24.64	331.5	.72	.07	1494.2
30	9.43	32.56	25.17	281.1	1.02	.14	1485.7
50	8.43	32.75	25.47	252.6	1.55	.36	1482.5
75	8.05	33.39	26.02	200.6	2.11	.70	1482.2
100	7.82	33.64	26.25	179.0	2.58	1.11	1482.1
125	7.63	33.78	26.39	166.4	3.01	1.60	1482.0
150	7.45	33.87	26.49	157.5	3.41	2.15	1481.8
175	7.21	33.93	26.57	150.3	3.80	2.77	1481.3
200	6.97	33.96	26.63	144.7	4.17	3.47	1480.8
225	6.66	33.99	26.69	139.2	4.52	4.22	1480.0
250	6.40	34.00	26.74	135.2	4.86	5.03	1479.4
300	5.94	34.02	26.81	128.2	5.52	6.83	1478.4
400	5.41	34.08	26.92	118.5	6.75	11.12	1478.0
500	4.87	34.16	27.05	107.3	7.87	16.17	1477.5
600	4.54	34.21	27.12	100.9	8.92	21.91	1477.8
800	3.93	34.33	27.28	86.6	10.80	35.05	1478.7
1000	3.41	34.41	27.40	76.4	12.42	49.62	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.2	3.41	34.41	27.40	76.3	12.42	49.63	1480.0

WIND MIXED LAYER DEPTH = 13.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

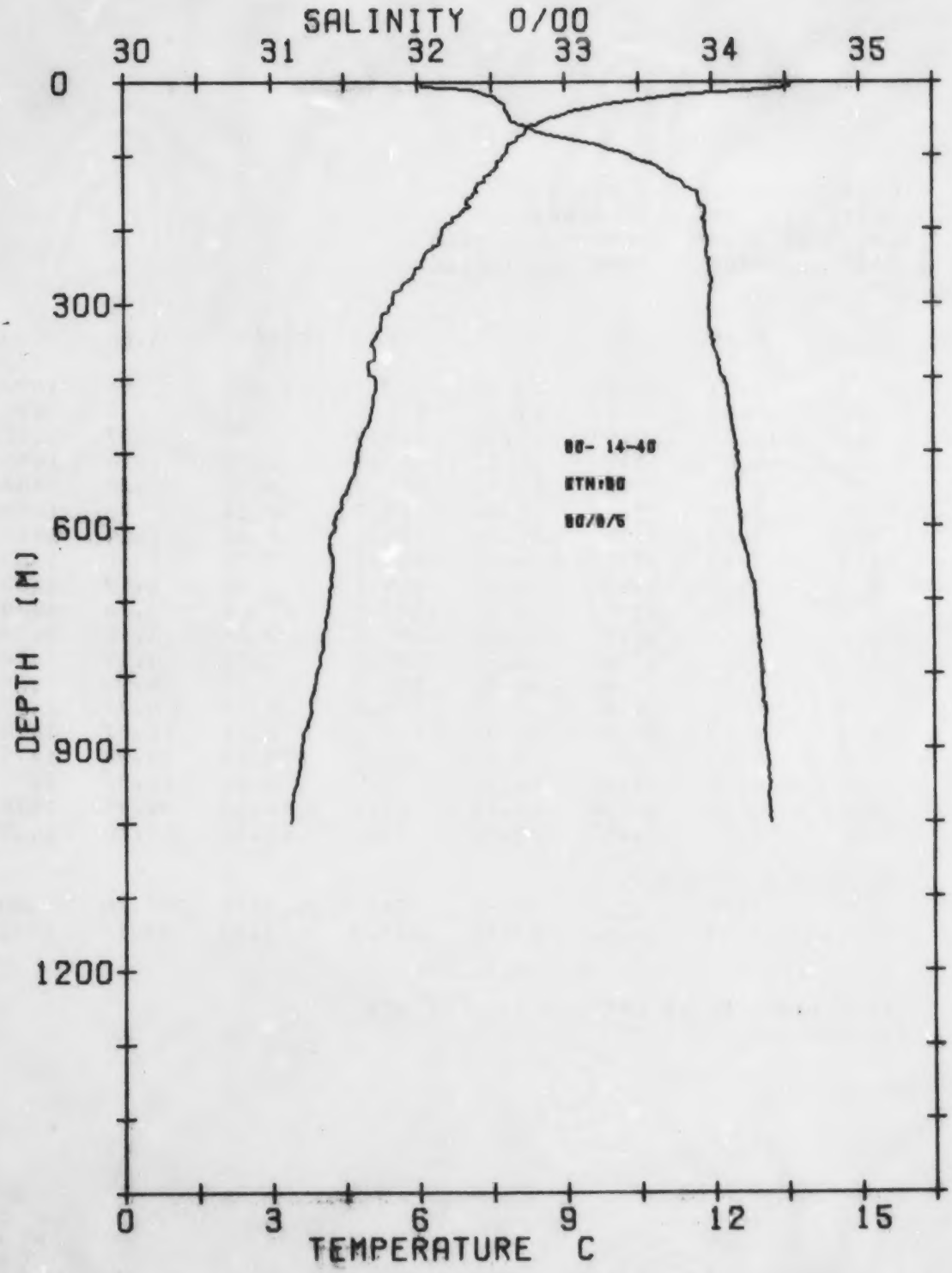
CRUISE : C.O.D.E. 80-14.
STATION: 81 CONS #039
LAT N 48 31.2 LONG W 126 41.5
DATE 80/09/05 TIME (PST) 2121

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.51	32.26	24.20	373.3	.00	.00	1499.2
10	13.40	32.27	24.22	371.0	.37	.02	1499.0
20	11.20	32.47	24.79	316.9	.72	.07	1491.8
30	9.67	32.59	25.15	282.6	1.02	.14	1486.6
50	8.46	32.74	25.46	254.0	1.55	.36	1482.5
75	8.01	33.20	25.89	213.7	2.14	.72	1481.8
100	7.49	33.59	26.26	178.2	2.62	1.14	1480.7
125	7.23	33.75	26.42	163.1	3.05	1.62	1480.4
150	7.11	33.84	26.51	155.1	3.44	2.17	1480.4
175	6.91	33.91	26.60	147.2	3.82	2.78	1480.1
200	6.56	33.95	26.68	140.2	4.18	3.45	1479.2
225	6.34	33.97	26.72	136.6	4.53	4.19	1478.8
250	6.08	33.98	26.76	132.7	4.87	4.99	1478.1
300	5.72	34.02	26.84	125.8	5.51	6.77	1477.5
400	5.13	34.08	26.95	115.5	6.73	11.01	1476.8
500	4.50	34.13	27.07	105.1	7.82	15.94	1475.9
600	4.32	34.22	27.16	97.5	8.84	21.52	1477.0
800	3.94	34.32	27.28	87.1	10.69	34.45	1478.8
1000	3.41	34.42	27.40	75.9	12.32	49.10	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.2	3.41	34.42	27.40	75.9	12.33	49.12	1480.0

WIND MIXED LAYER DEPTH = 12.6 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
80- 14-40
ETN:80
80/9/5
0
3
6
9
12
15
TEMPERATURE C

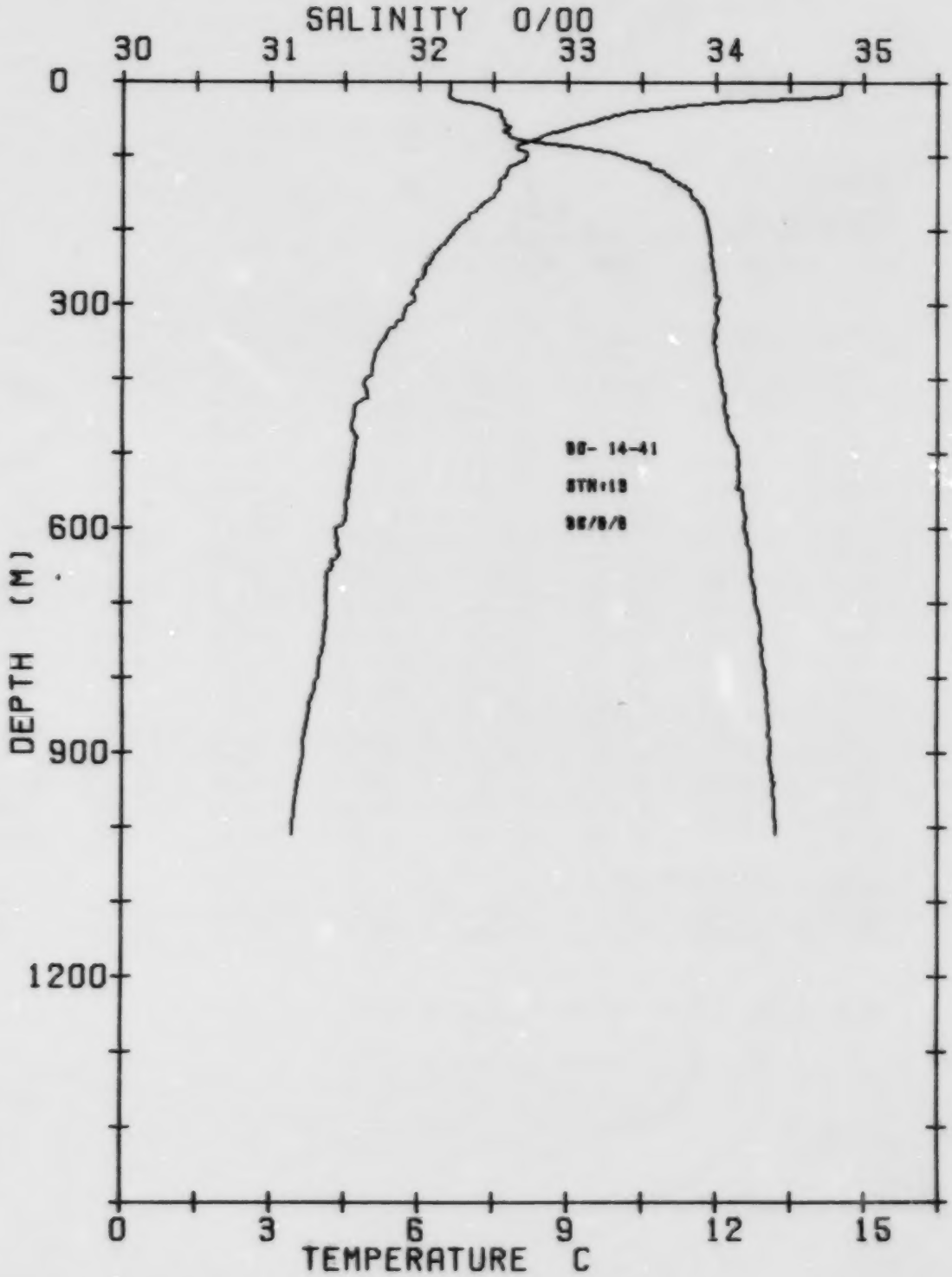
CRUISE : C.O.D.E. 80-14.
STATION: 80 CONS #040
LAT N 48 26.0 LONG W 126 50.0
DATE 80/09/05 TIME (PST) 2305

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.58	32.03	24.01	391.2	.00	.00	1499.1
10	13.09	32.36	24.36	357.8	.38	.02	1498.0
20	11.04	32.53	24.87	309.5	.71	.07	1491.3
30	9.89	32.59	25.11	286.3	1.01	.14	1487.4
50	8.67	32.63	25.34	265.1	1.56	.36	1483.2
75	8.05	33.00	25.72	229.4	2.18	.75	1481.7
100	7.78	33.45	26.11	192.4	2.71	1.20	1481.7
125	7.48	33.69	26.35	170.6	3.16	1.71	1481.2
150	7.20	33.89	26.54	152.2	3.56	2.26	1480.8
175	6.93	33.95	26.63	144.7	3.93	2.86	1480.2
200	6.52	33.95	26.68	139.5	4.29	3.53	1479.0
225	6.30	33.96	26.72	136.3	4.63	4.26	1478.6
250	6.06	33.98	26.76	132.5	4.97	5.06	1478.0
300	5.49	33.98	26.83	126.0	5.61	6.82	1476.6
400	5.13	34.08	26.95	115.4	6.81	11.03	1476.9
500	4.77	34.17	27.07	105.4	7.92	16.01	1477.1
600	4.31	34.19	27.14	99.4	8.95	21.67	1476.9
800	3.92	34.33	27.29	86.2	10.79	34.52	1478.7
1000	3.37	34.39	27.39	77.5	12.42	49.16	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.2	3.37	34.39	27.39	77.5	12.42	49.18	1479.7

WIND MIXED LAYER DEPTH = 5.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

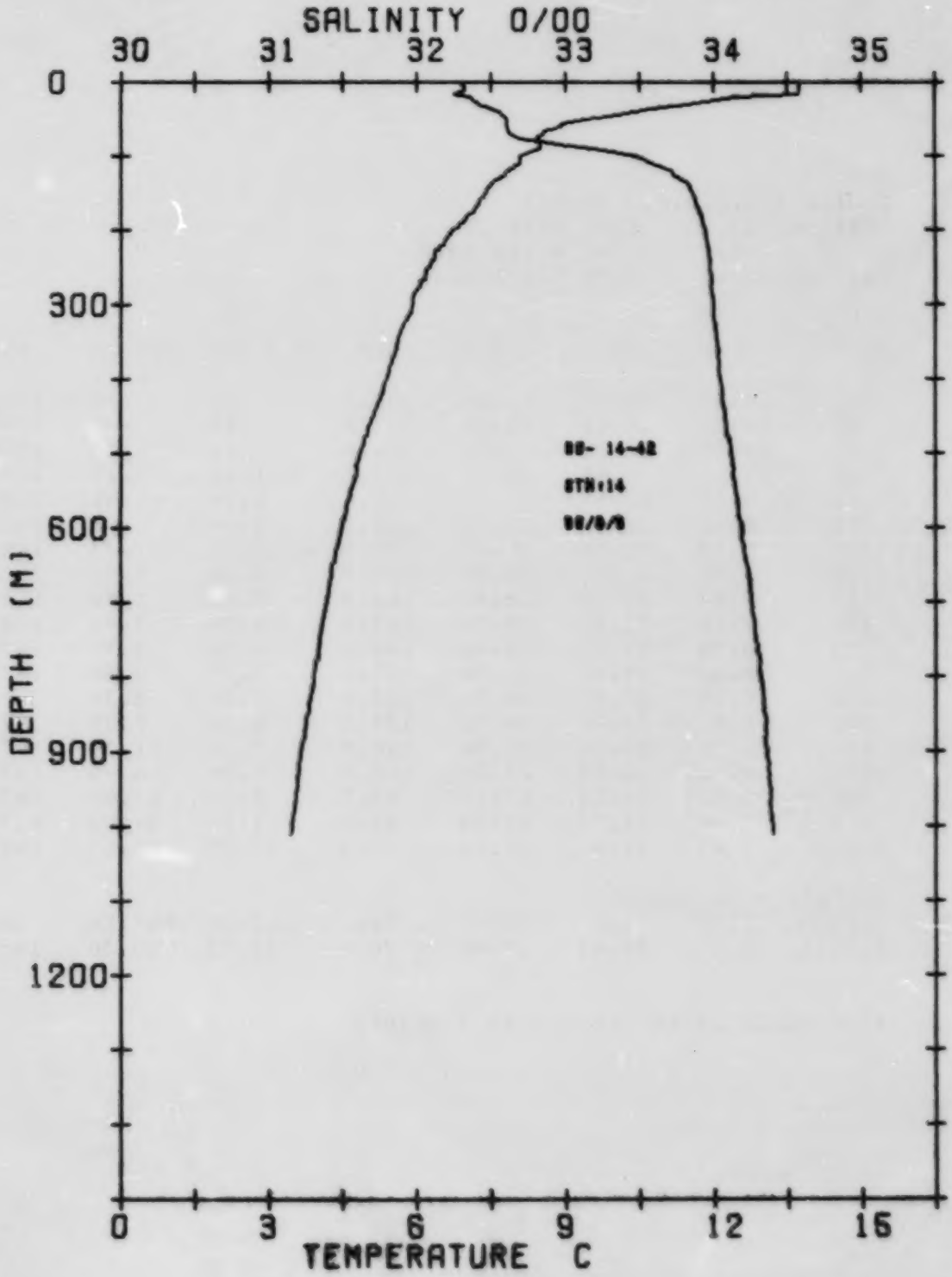
CRUISE : C.O.D.E. 80-14.
STATION: 13 CONS #041
LAT N 48 20.0 LONG W 126 59.0
DATE 80/09/06 TIME (PST) 0035

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.60	32.21	23.94	398.1	.00	.00	1502.7
10	14.55	32.21	23.95	397.4	.40	.02	1502.7
20	14.32	32.20	23.98	394.2	.79	.08	1502.1
30	11.57	32.40	24.68	328.2	1.15	.17	1493.2
50	9.69	32.57	25.13	285.4	1.75	.41	1486.9
75	8.43	32.63	25.37	262.3	2.44	.83	1482.7
100	8.18	33.36	25.99	204.4	3.01	1.33	1483.1
125	7.76	33.66	26.28	176.7	3.48	1.86	1482.3
150	7.57	33.83	26.44	162.2	3.90	2.44	1482.2
175	7.15	33.92	26.57	149.9	4.29	3.07	1481.1
200	6.74	33.95	26.65	142.6	4.66	3.75	1479.9
225	6.43	33.97	26.71	137.6	5.01	4.50	1479.1
250	6.15	33.97	26.75	133.8	5.34	5.30	1478.4
300	5.82	34.00	26.81	128.3	6.00	7.09	1477.9
400	4.94	34.04	26.94	116.3	7.23	11.39	1476.0
500	4.70	34.15	27.06	106.5	8.34	16.40	1476.8
600	4.32	34.19	27.14	99.5	9.38	22.08	1476.9
800	3.98	34.34	27.29	86.5	11.23	34.99	1479.0
1000	3.44	34.41	27.40	76.3	12.85	49.57	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1010.2	3.44	34.41	27.40	76.4	12.93	50.36	1480.3

WIND MIXED LAYER DEPTH = 17.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:14
0
3
6
9
12
15
TEMPERATURE C

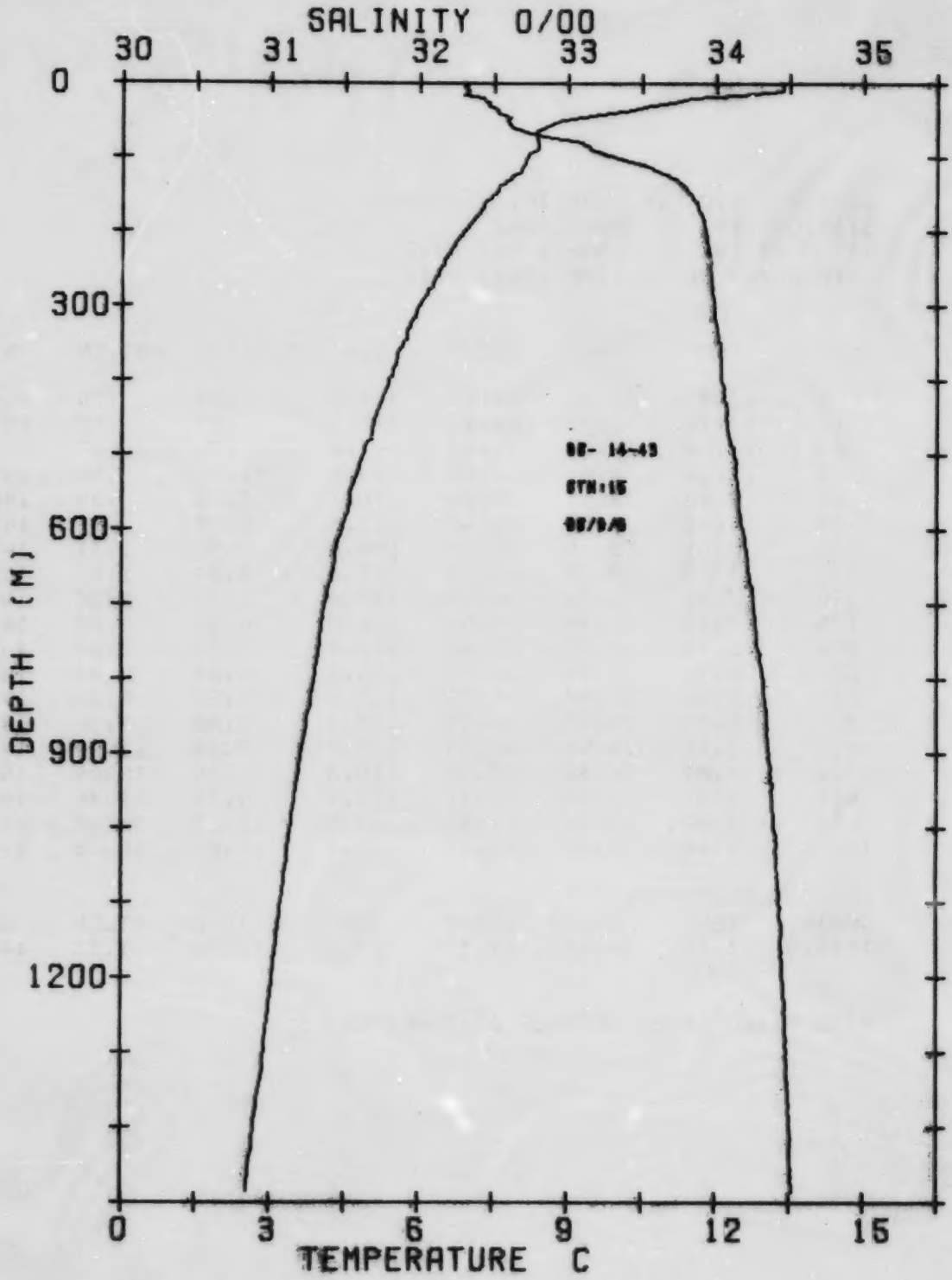
CRUISE : C.O.D.E. 80-14.
STATION: 14 CONS #042
LAT N 48 25.0 LONG W 127 09.0
DATE 80/09/06 TIME (PST) 0212

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.75	32.31	24.19	374.0	.00	.00	1500.0
10	13.76	32.32	24.19	373.8	.37	.02	1500.2
20	12.54	32.37	24.47	347.6	.74	.07	1496.3
30	11.53	32.41	24.69	326.5	1.08	.16	1493.1
50	9.42	32.61	25.20	278.1	1.68	.39	1486.0
75	8.43	32.69	25.42	257.5	2.35	.81	1482.8
100	8.11	33.48	26.09	194.8	2.91	1.31	1483.0
125	7.78	33.74	26.34	171.1	3.37	1.82	1482.5
150	7.40	33.86	26.49	157.6	3.78	2.38	1481.5
175	7.14	33.90	26.56	151.0	4.16	3.00	1481.0
200	6.75	33.95	26.65	142.8	4.53	3.69	1480.0
225	6.46	33.97	26.70	138.2	4.88	4.43	1479.2
250	6.26	33.97	26.73	135.4	5.22	5.25	1478.8
300	5.93	34.00	26.79	130.1	5.88	7.06	1478.4
400	5.41	34.05	26.90	120.8	7.14	11.44	1478.0
500	4.87	34.12	27.02	110.3	8.29	16.64	1477.5
600	4.50	34.19	27.11	101.9	9.35	22.46	1477.6
800	3.94	34.32	27.27	87.7	11.23	35.58	1478.8
1000	3.48	34.40	27.39	77.7	12.88	50.35	1480.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1010.0	3.46	34.40	27.39	77.6	12.96	51.13	1480.3

WIND MIXED LAYER DEPTH = 10.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

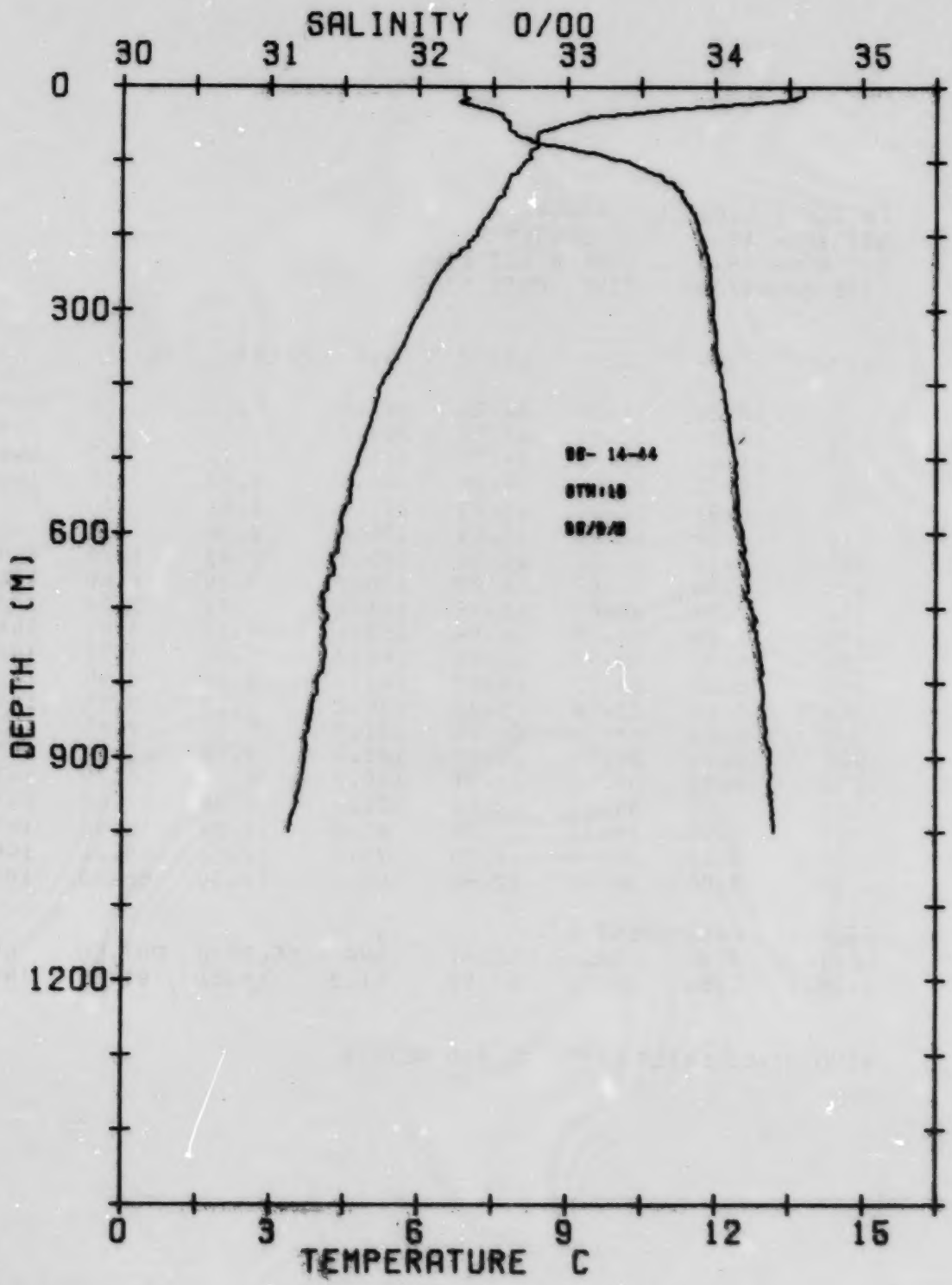
CRUISE : C.O.D.E. 80-14.
STATION: 15 CONS #043
LAT N 48 29.0 LONG W 127 19.0
DATE 80/09/06 TIME (PST) 0347

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.38	32.31	24.26	367.4	.00	.00	1498.8
10	13.36	32.33	24.28	365.2	.37	.02	1498.9
20	11.57	32.43	24.70	326.0	.72	.07	1493.1
30	10.72	32.46	24.88	309.1	1.03	.15	1490.2
50	8.91	32.59	25.27	271.8	1.61	.38	1484.1
75	8.36	32.96	25.64	236.8	2.26	.78	1482.9
100	8.18	33.31	25.95	208.1	2.81	1.26	1483.0
125	7.88	33.69	26.29	176.2	3.29	1.80	1482.8
150	7.52	33.83	26.45	161.2	3.71	2.38	1482.0
175	7.24	33.89	26.54	153.1	4.10	3.01	1481.4
200	6.93	33.93	26.61	146.4	4.47	3.71	1480.6
225	6.65	33.95	26.67	141.5	4.83	4.48	1480.0
250	6.46	33.96	26.70	138.8	5.18	5.31	1479.6
300	6.03	33.99	26.78	131.7	5.86	7.17	1478.7
400	5.41	34.04	26.89	121.6	7.12	11.57	1478.0
500	4.90	34.12	27.01	110.7	8.28	16.79	1477.6
600	4.46	34.19	27.12	101.5	9.34	22.60	1477.5
800	3.90	34.32	27.28	86.6	11.21	35.68	1478.6
1000	3.43	34.40	27.39	77.1	12.84	50.31	1480.0
1200	3.06	34.46	27.48	69.6	14.30	66.33	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1485.1	2.54	34.52	27.57	61.3	16.16	91.25	1484.4

WIND MIXED LAYER DEPTH = 6.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

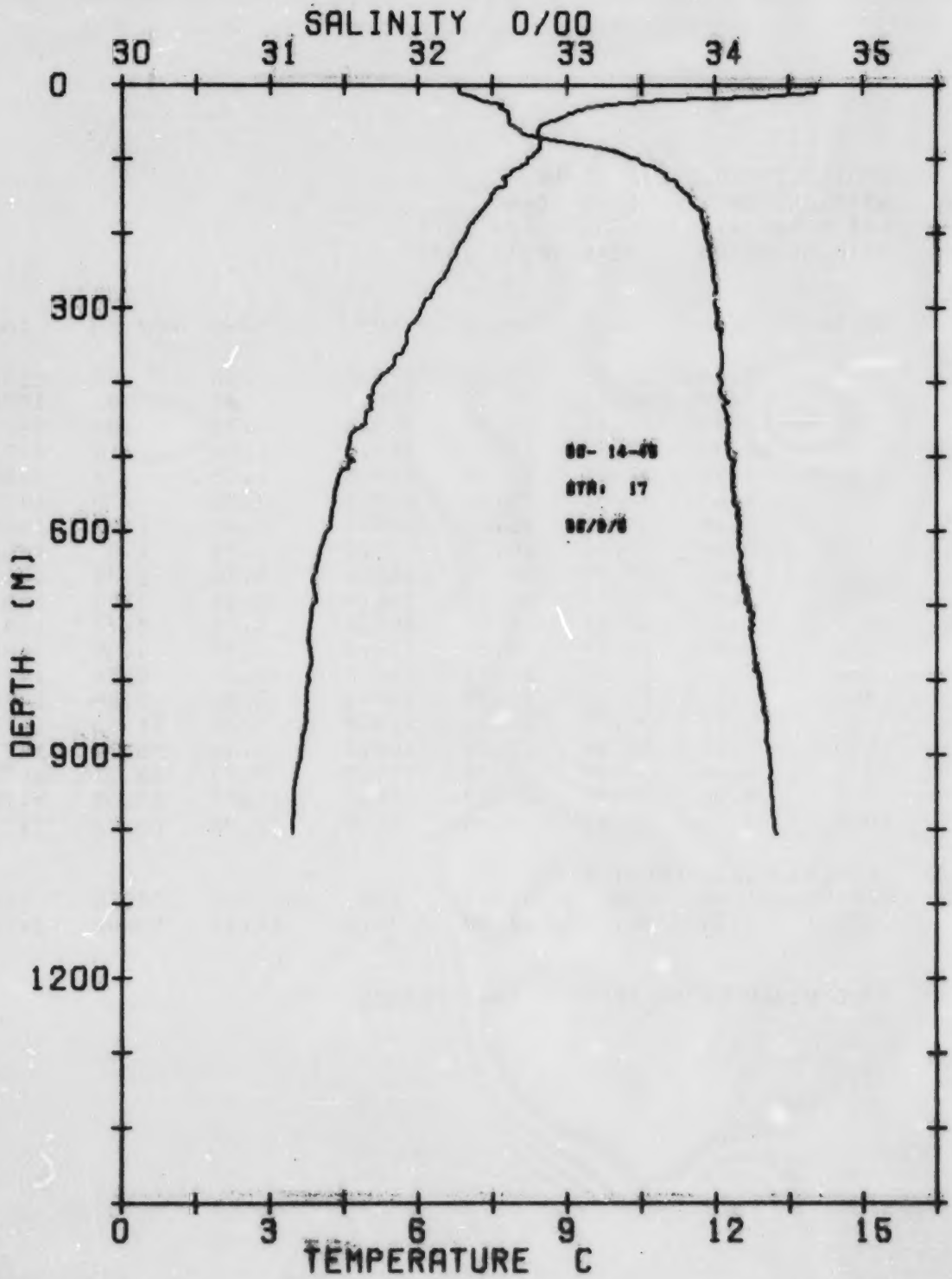
CRUISE : C.O.D.E. 80-14.
STATION: 16 CONS #044
LAT N 48 34.0 LONG W 127 28.0
DATE 80/09/06 TIME (PST) 0634

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.80	32.31	24.17	375.5	.00	.00	1500.2
10	13.79	32.30	24.17	376.2	.38	.02	1500.3
20	12.99	32.27	24.30	363.5	.75	.07	1497.8
30	11.08	32.47	24.82	314.8	1.08	.16	1491.5
50	8.90	32.61	25.29	269.8	1.65	.38	1484.1
75	8.38	32.81	25.52	248.1	2.31	.79	1482.8
100	8.16	33.41	26.03	200.7	2.86	1.27	1483.1
125	7.84	33.66	26.27	178.0	3.33	1.80	1482.6
150	7.62	33.79	26.40	165.6	3.76	2.39	1482.3
175	7.37	33.87	26.50	156.4	4.16	3.04	1481.9
200	7.17	33.91	26.56	151.2	4.55	3.77	1481.5
225	6.80	33.95	26.64	143.8	4.92	4.55	1480.5
250	6.45	33.97	26.71	138.0	5.27	5.38	1479.6
300	6.05	33.99	26.77	132.1	5.94	7.24	1478.8
400	5.27	34.05	26.92	119.0	7.20	11.63	1477.4
500	4.81	34.14	27.04	108.0	8.34	16.74	1477.3
600	4.46	34.19	27.12	101.5	9.39	22.51	1477.5
800	3.96	34.32	27.27	88.0	11.27	35.65	1478.9
1000	3.39	34.40	27.40	76.5	12.92	50.42	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.39	34.40	27.40	76.5	12.92	50.42	1479.9

WIND MIXED LAYER DEPTH = 14.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STA: 17
0
3
6
9
12
15
TEMPERATURE C

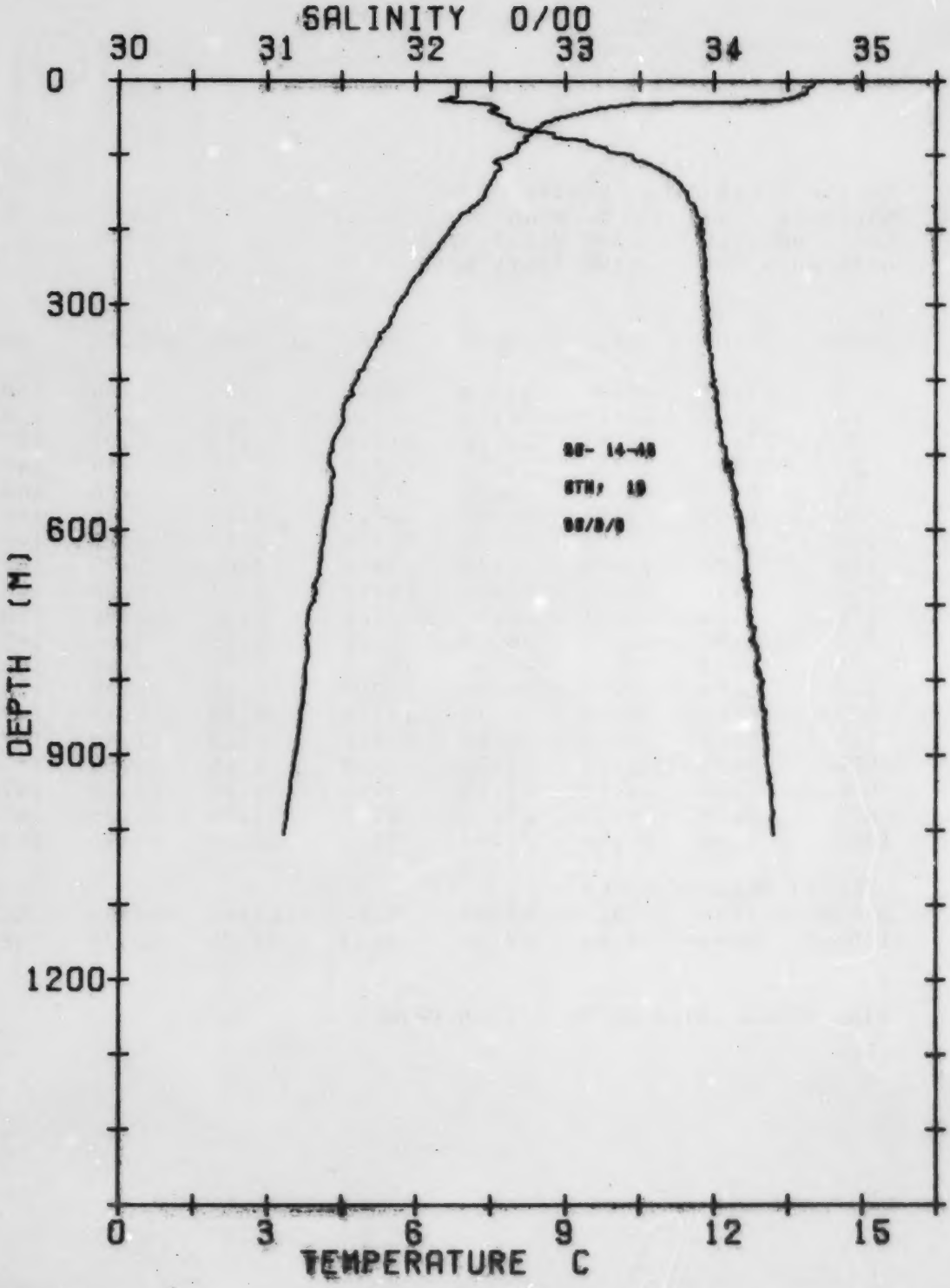
CRUISE : C.O.D.E. 80-14.
STATION: 17 CONS #045
LAT N 48 37.5 LONG W 127 37.0
DATE 80/09/06 TIME (PST) 0812

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.07	32.26	24.08	384.1	.00	.00	1501.0
10	14.07	32.28	24.10	383.0	.38	.02	1501.2
20	11.01	32.41	24.78	317.6	.74	.07	1491.0
30	9.48	32.55	25.15	282.8	1.03	.14	1485.8
50	8.63	32.61	25.33	265.9	1.57	.36	1483.0
75	8.49	32.95	25.62	239.0	2.21	.76	1483.3
100	8.23	33.48	26.07	196.8	2.75	1.23	1483.5
125	7.72	33.68	26.30	174.8	3.21	1.75	1482.2
150	7.48	33.83	26.45	161.0	3.63	2.32	1481.8
175	7.24	33.91	26.55	152.1	4.02	2.96	1481.4
200	6.98	33.94	26.61	146.6	4.40	3.66	1480.8
225	6.77	33.97	26.66	141.9	4.76	4.42	1480.5
250	6.59	33.99	26.70	138.5	5.11	5.25	1480.2
300	6.10	34.01	26.78	131.1	5.78	7.10	1479.1
400	5.18	34.05	26.93	118.2	7.03	11.47	1477.0
500	4.57	34.10	27.04	108.0	8.16	16.54	1476.2
600	4.17	34.16	27.13	99.8	9.20	22.23	1476.3
800	3.79	34.30	27.28	87.1	11.06	35.26	1478.1
1000	3.46	34.40	27.39	77.5	12.69	49.90	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.7	3.44	34.42	27.40	76.3	12.74	50.34	1480.2

WIND MIXED LAYER DEPTH = 10.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

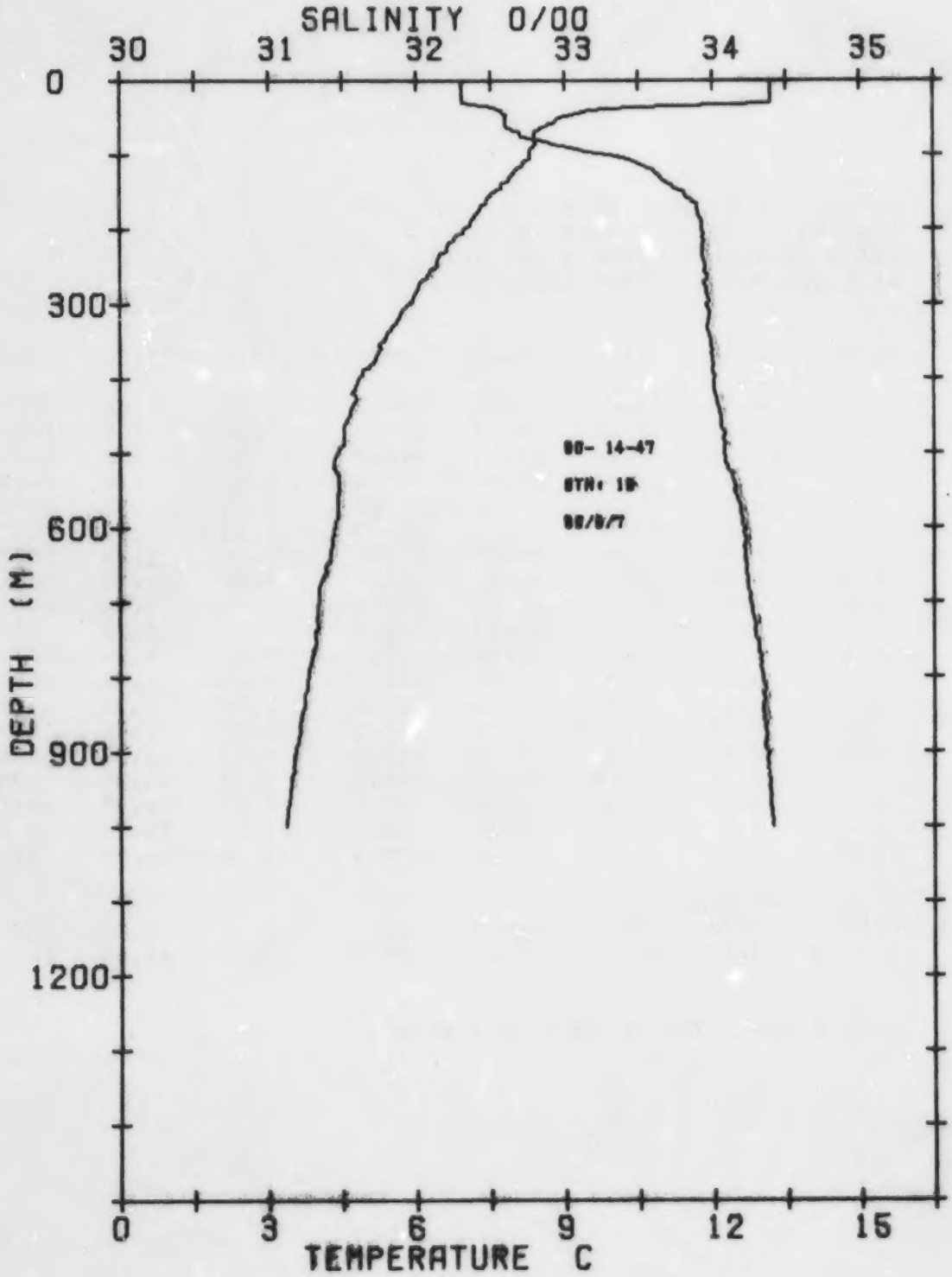
CRUISE : C.O.D.E. 80-14.
STATION: 18 CONS #046
LAT N 48 42.0 LONG W 127 46.0
DATE 80/09/06 TIME (PST) 1032

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.06	32.26	24.09	383.7	.00	.00	1501.0
10	13.93	32.28	24.13	379.9	.38	.02	1500.8
20	13.73	32.28	24.17	376.7	.76	.08	1500.3
30	10.57	32.48	24.91	305.4	1.12	.16	1489.7
50	8.86	32.62	25.30	268.7	1.69	.39	1483.9
75	8.19	32.92	25.64	236.9	2.33	.79	1482.2
100	7.92	33.44	26.09	195.1	2.86	1.25	1482.2
125	7.58	33.69	26.33	172.4	3.32	1.77	1481.6
150	7.42	33.81	26.45	161.1	3.73	2.34	1481.6
175	7.05	33.89	26.57	150.6	4.13	2.97	1480.6
200	6.70	33.93	26.64	143.9	4.49	3.66	1479.7
225	6.46	33.93	26.67	140.7	4.85	4.41	1479.2
250	6.15	33.95	26.73	135.9	5.19	5.23	1478.3
300	5.65	33.96	26.80	129.1	5.86	7.06	1477.2
400	4.84	34.01	26.93	117.1	7.09	11.37	1475.5
500	4.28	34.08	27.05	106.7	8.21	16.39	1475.0
600	4.18	34.19	27.15	98.0	9.23	21.99	1476.3
800	3.77	34.33	27.30	85.0	11.06	34.78	1478.1
1000	3.34	34.40	27.40	75.9	12.68	49.29	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.3	3.33	34.41	27.40	75.7	12.72	49.69	1479.7

WIND MIXED LAYER DEPTH = 22.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
00- 14-47
STN: 15
0
3
6
9
12
15
TEMPERATURE C

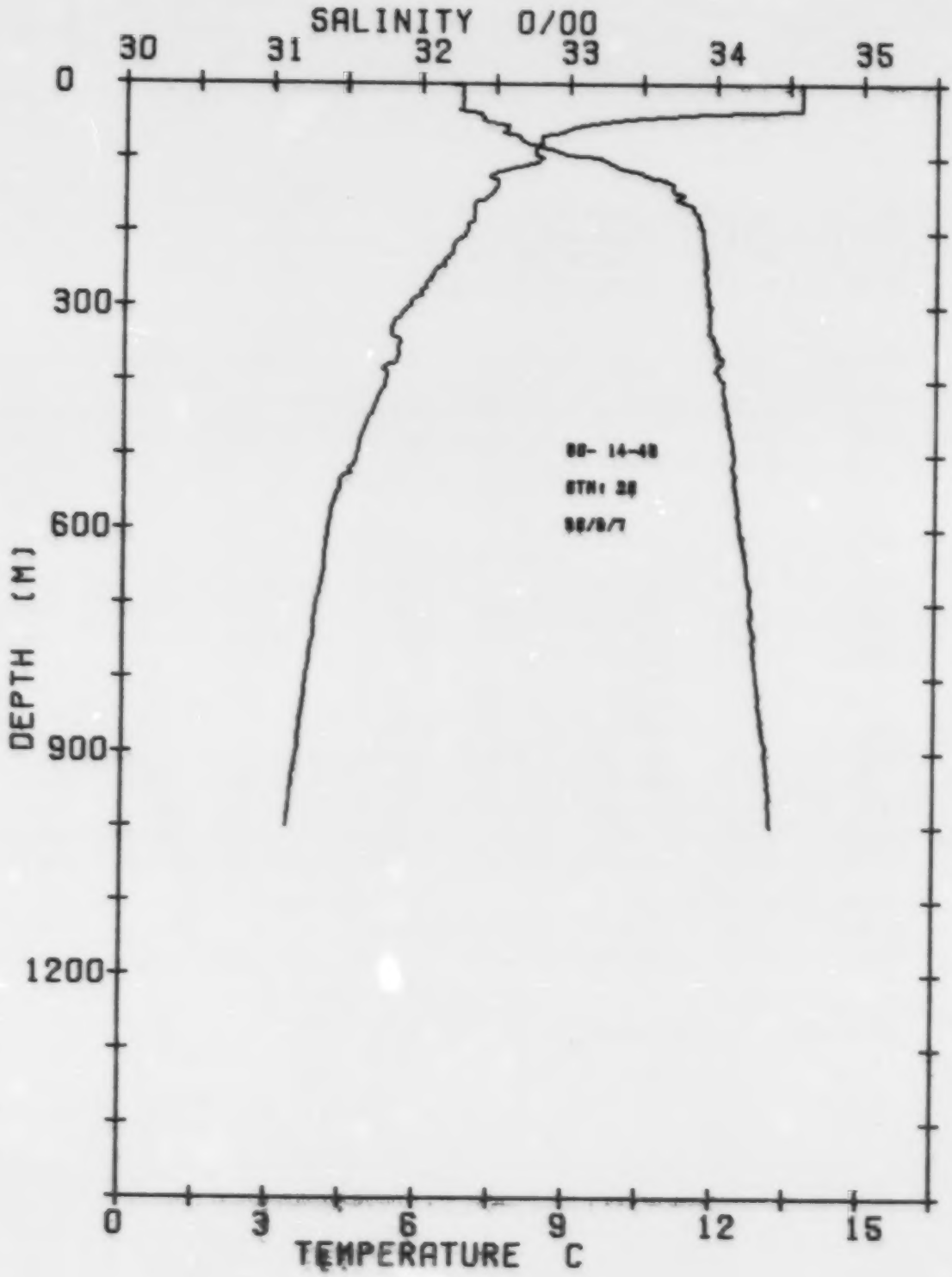
CRUISE : C.O.D.E. 80-14.
STATION: 19 CONS #047
LAT N 48 48.0 LONG W 127 37.5
DATE 80/09/07 TIME (PST) 0422

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.20	32.31	24.29	363.9	.00	.00	1498.2
10	13.21	32.31	24.30	363.8	.36	.02	1498.4
20	13.21	32.31	24.29	364.5	.73	.07	1498.5
30	13.21	32.31	24.29	364.5	1.09	.16	1498.7
50	8.93	32.60	25.28	271.2	1.68	.40	1484.2
75	8.39	32.71	25.45	255.2	2.34	.81	1482.7
100	8.32	33.30	25.92	211.2	2.93	1.32	1483.6
125	7.98	33.63	26.22	182.3	3.41	1.86	1483.1
150	7.60	33.81	26.42	164.0	3.85	2.46	1482.3
175	7.29	33.90	26.53	153.7	4.24	3.10	1481.6
200	7.01	33.93	26.60	147.4	4.62	3.81	1480.9
225	6.63	33.93	26.65	143.1	4.98	4.57	1479.9
250	6.41	33.95	26.70	138.9	5.33	5.41	1479.4
300	5.88	33.96	26.77	132.2	6.01	7.27	1478.1
400	4.88	34.01	26.93	117.4	7.25	11.61	1475.7
500	4.43	34.08	27.04	108.1	8.38	16.67	1475.6
600	4.37	34.22	27.15	97.8	9.41	22.33	1477.1
800	3.84	34.34	27.30	84.9	11.25	35.18	1478.4
1000	3.36	34.41	27.40	75.8	12.86	49.61	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.36	34.41	27.40	75.8	12.86	49.62	1479.8

WIND MIXED LAYER DEPTH = 29.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

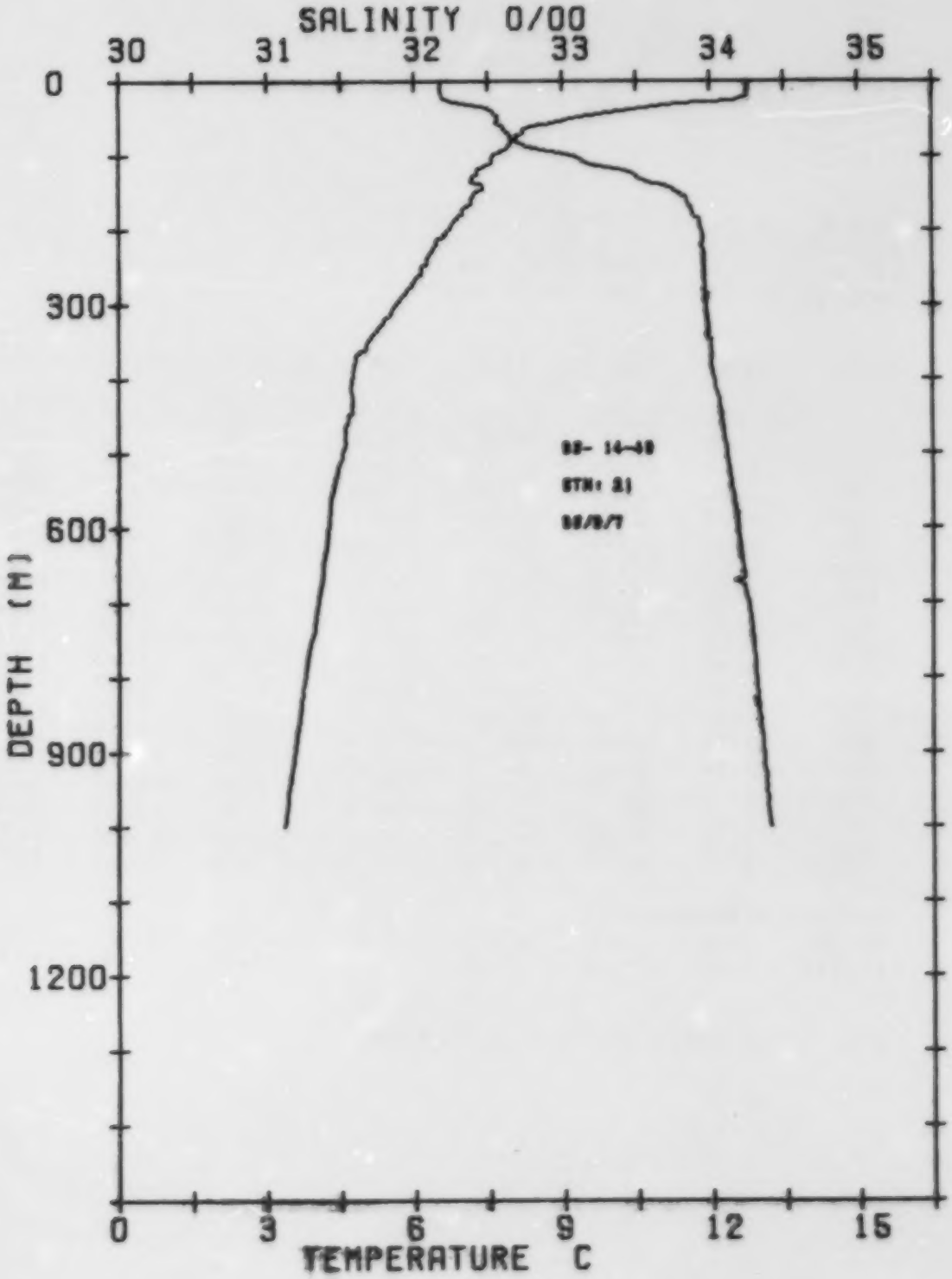
CRUISE : C.O.D.E. 80-14.
STATION: 20 CONS #048
LAT N 48 53.5 LONG W 127 29.0
DATE 80/09/07 TIME (PST) 0601

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.78	32.26	24.14	378.5	.00	.00	1500.1
10	13.78	32.28	24.16	377.2	.38	.02	1500.2
20	13.78	32.28	24.16	377.5	.76	.08	1500.4
30	13.78	32.27	24.15	378.2	1.13	.17	1500.6
50	9.97	32.41	24.96	301.4	1.82	.44	1487.8
75	8.44	32.68	25.41	258.6	2.50	.87	1482.8
100	8.45	33.20	25.82	220.3	3.11	1.40	1483.9
125	7.38	33.54	26.24	180.6	3.61	1.96	1480.7
150	7.40	33.77	26.42	163.8	4.04	2.55	1481.5
175	7.08	33.87	26.54	153.0	4.44	3.19	1480.7
200	6.93	33.91	26.59	148.2	4.82	3.90	1480.6
225	6.67	33.93	26.64	143.6	5.18	4.67	1480.0
250	6.34	33.92	26.68	140.0	5.53	5.51	1479.1
300	5.78	33.97	26.79	130.5	6.21	7.37	1477.7
400	5.32	34.05	26.91	119.8	7.47	11.77	1477.6
500	4.75	34.13	27.04	108.1	8.61	16.88	1477.0
600	4.17	34.17	27.13	99.8	9.64	22.57	1476.3
800	3.74	34.29	27.27	87.3	11.50	35.52	1477.9
1000	3.36	34.40	27.40	76.3	13.13	50.19	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.5	3.36	34.40	27.39	76.6	13.14	50.23	1479.7

WIND MIXED LAYER DEPTH = 33.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

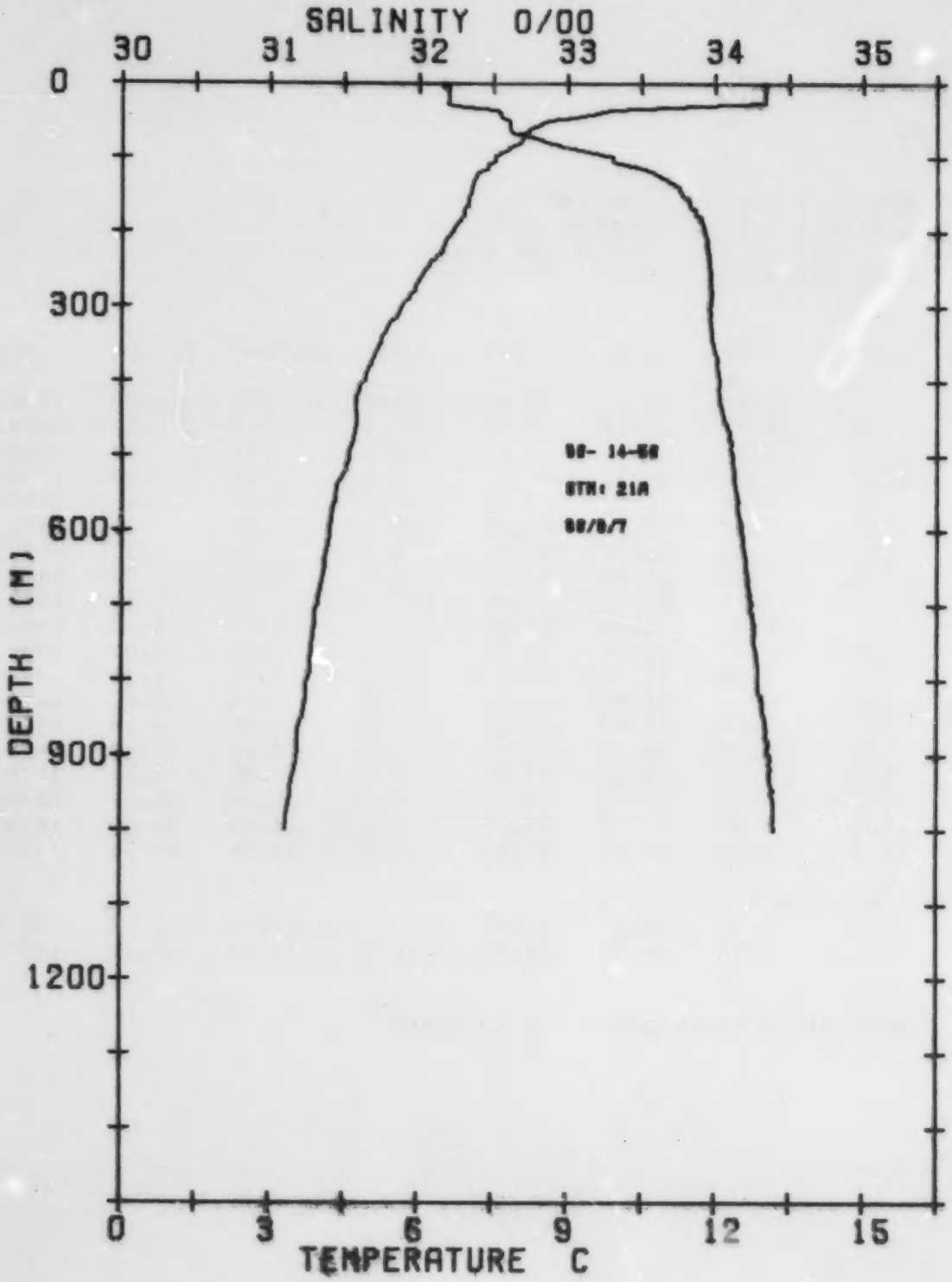
CRUISE : C.O.D.E. 80-14.
STATION: 21 CONS #049
LAT N 48 59.0 LONG W 127 19.5
DATE 80/09/07 TIME (PST) 0802

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.78	32.19	24.28	365.0	.00	.00	1496.6
10	12.77	32.18	24.28	365.3	.37	.02	1496.7
20	12.76	32.19	24.29	364.9	.73	.07	1496.9
30	11.34	32.33	24.66	329.3	1.08	.16	1492.3
50	9.24	32.57	25.20	278.2	1.68	.40	1485.3
75	8.09	32.66	25.45	255.1	2.34	.81	1481.4
100	7.64	33.07	25.84	218.5	2.94	1.33	1480.6
125	7.26	33.49	26.22	182.3	3.45	1.90	1480.1
150	7.26	33.78	26.45	161.4	3.88	2.49	1480.9
175	6.97	33.88	26.56	150.8	4.27	3.12	1480.3
200	6.73	33.94	26.64	143.6	4.64	3.81	1479.9
225	6.39	33.95	26.70	138.1	4.99	4.56	1478.9
250	6.16	33.95	26.73	135.4	5.33	5.37	1478.4
300	5.65	33.97	26.81	128.7	5.99	7.19	1477.2
400	4.75	34.03	26.96	114.8	7.20	11.42	1475.2
500	4.56	34.11	27.05	107.2	8.31	16.41	1476.2
600	4.28	34.19	27.14	99.2	9.34	22.07	1476.8
800	3.80	34.31	27.28	86.6	11.21	35.06	1478.2
1000	3.36	34.41	27.40	76.0	12.84	49.71	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.36	34.41	27.40	76.0	12.84	49.73	1479.8

WIND MIXED LAYER DEPTH = 19.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN: 21A
0
3
6
9
12
15
TEMPERATURE C

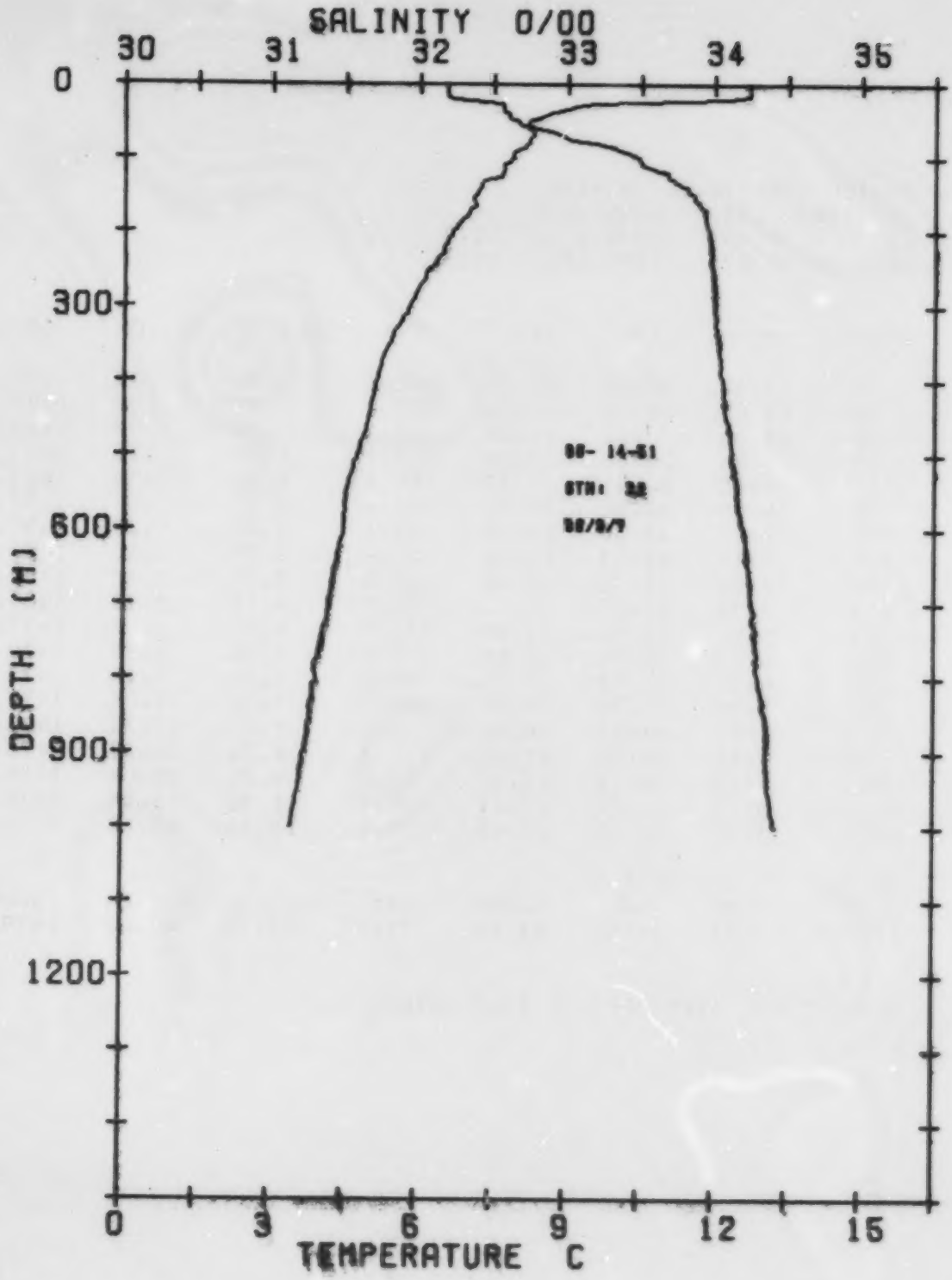
CRUISE : C.O.D.E. 80-14.
STATION: 21A CONS #050
LAT N 49 01.8 LONG W 127 15.2
DATE 80/09/07 TIME (PST) 0936

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.04	32.21	24.25	368.1	.00	.00	1497.5
10	13.04	32.20	24.24	369.0	.37	.02	1497.7
20	13.03	32.20	24.24	369.3	.74	.07	1497.8
30	11.84	32.23	24.49	345.8	1.10	.16	1493.9
50	8.62	32.61	25.33	266.1	1.68	.39	1483.0
75	8.09	32.82	25.57	243.2	2.33	.80	1481.6
100	7.54	33.30	26.03	200.1	2.89	1.28	1480.6
125	7.18	33.63	26.34	171.4	3.35	1.80	1480.0
150	7.06	33.78	26.48	158.6	3.76	2.37	1480.1
175	6.92	33.87	26.56	150.5	4.15	2.99	1480.1
200	6.68	33.93	26.65	143.1	4.51	3.68	1479.7
225	6.48	33.95	26.69	139.4	4.86	4.42	1479.3
250	6.15	33.97	26.74	134.2	5.21	5.24	1478.4
300	5.66	33.96	26.80	129.5	5.86	7.05	1477.2
400	4.91	34.03	26.94	116.6	7.09	11.33	1475.9
500	4.61	34.12	27.05	107.3	8.21	16.37	1476.4
600	4.22	34.18	27.13	99.6	9.25	22.04	1476.5
800	3.77	34.29	27.27	88.0	11.11	35.04	1478.0
1000	3.32	34.40	27.40	75.9	12.73	49.60	1479.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.2	3.32	34.40	27.40	75.9	12.73	49.62	1479.6

WIND MIXED LAYER DEPTH = 30.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

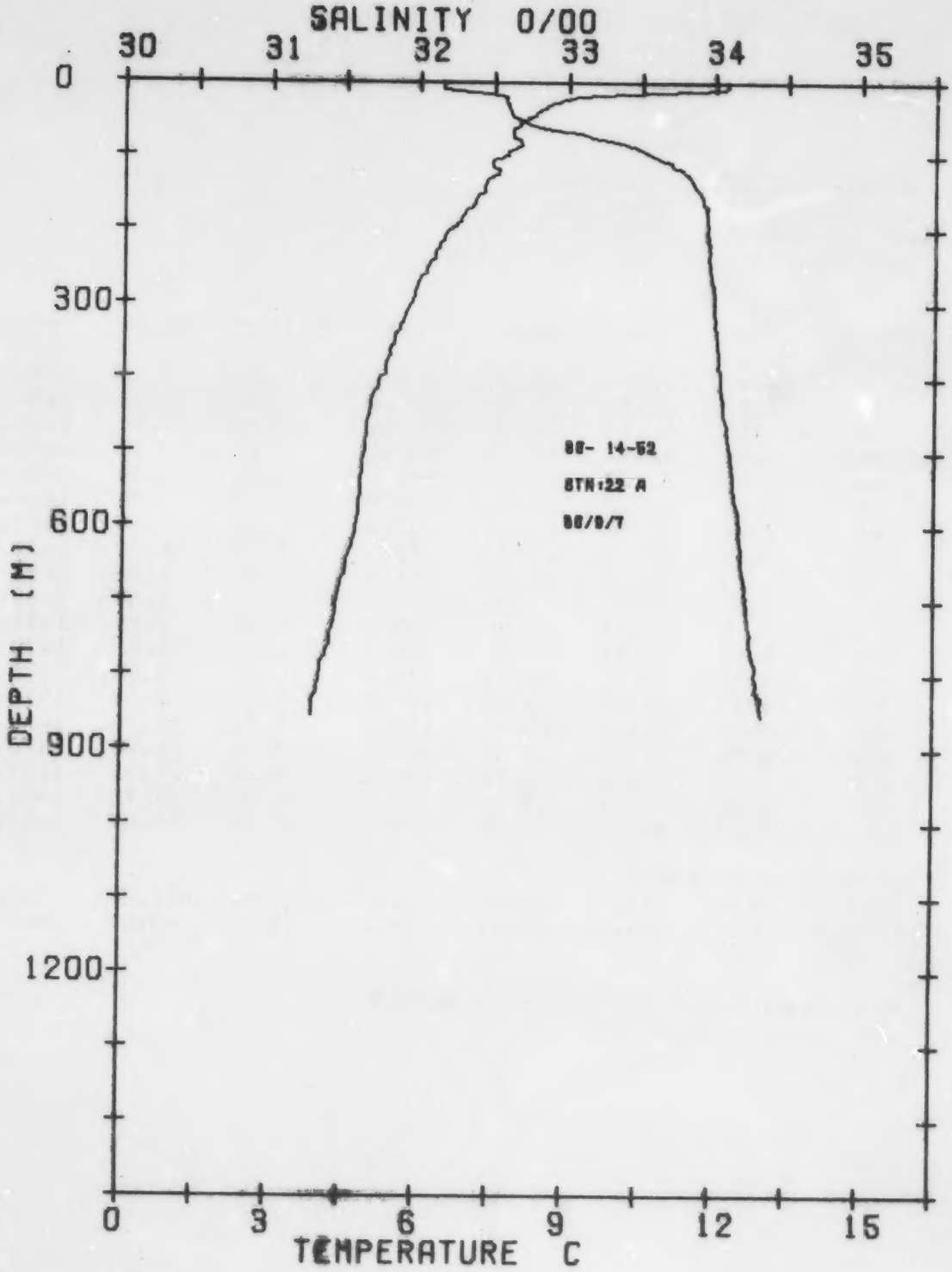
CRUISE : C.O.D.E. 80-14.
STATION: 22 CONS #051
LAT N 49 04.5 LONG W 127 11.0
DATE 80/09/07 TIME (PST) 1056

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.72	32.19	24.30	363.6	.00	.00	1496.4
10	12.72	32.19	24.29	364.1	.36	.02	1496.6
20	12.36	32.23	24.40	354.6	.73	.07	1495.5
30	9.28	32.57	25.20	278.5	1.03	.15	1485.1
50	8.22	32.67	25.44	255.8	1.56	.36	1481.5
75	8.21	33.02	25.72	229.9	2.17	.74	1482.4
100	7.90	33.48	26.12	192.0	2.69	1.19	1482.2
125	7.65	33.69	26.32	172.9	3.15	1.70	1481.9
150	7.17	33.86	26.53	153.9	3.55	2.26	1480.7
175	7.02	33.93	26.60	147.1	3.93	2.87	1480.6
200	6.70	33.97	26.67	140.9	4.29	3.54	1479.8
225	6.49	33.97	26.70	138.2	4.64	4.28	1479.3
250	6.22	33.99	26.75	133.8	4.98	5.09	1478.7
300	5.82	34.00	26.81	128.3	5.63	6.89	1477.9
400	5.16	34.06	26.93	117.4	6.85	11.16	1476.9
500	4.74	34.12	27.04	108.4	7.99	16.26	1476.9
600	4.50	34.21	27.13	100.5	9.04	22.02	1477.7
800	3.93	34.31	27.27	88.2	10.92	35.15	1478.7
1000	3.43	34.43	27.41	75.3	12.56	49.87	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.6	3.43	34.43	27.41	75.1	12.56	49.92	1480.1

WIND MIXED LAYER DEPTH = 20.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
88- 14-52
STN:22 A
88/9/7
0
3
6
9
12
15
TEMPERATURE C

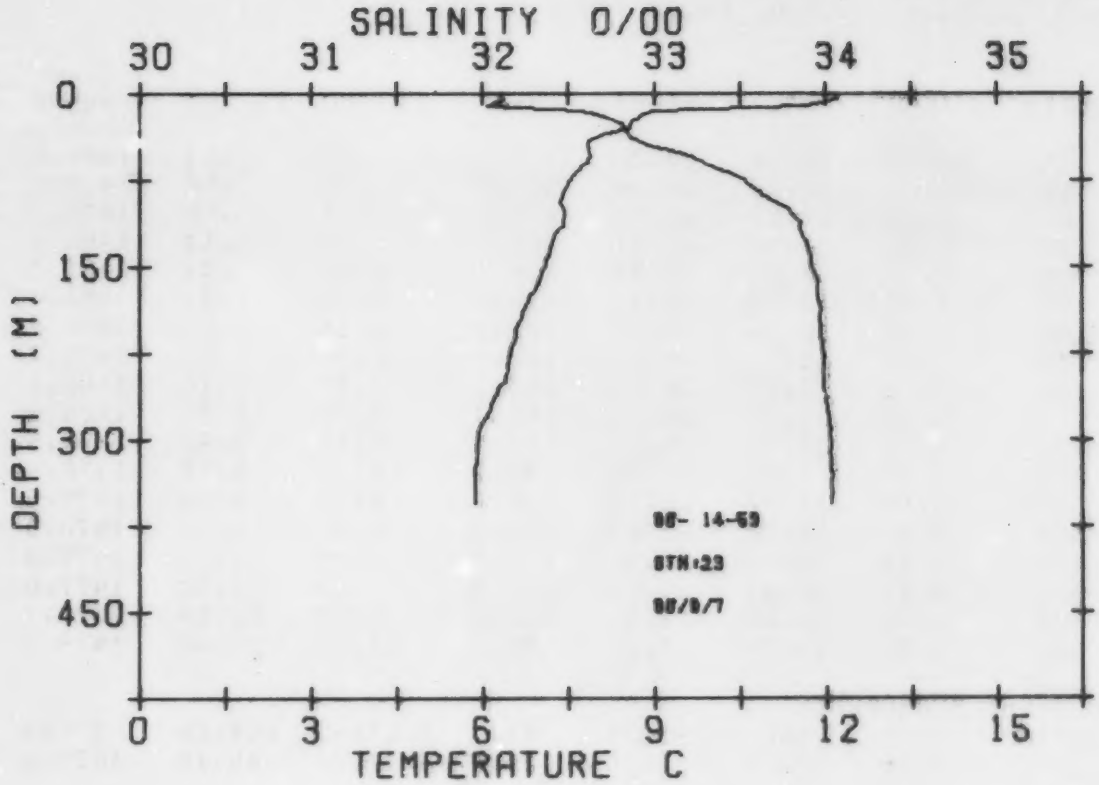
CRUISE : C.O.D.E. 80-14.
STATION: 22 A CONS #052
LAT N 49 07.3 LONG W 127 06.5
DATE 80/09/07 TIME (PST) 1206

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.27	32.16	24.36	357.7	.00	.00	1494.8
10	12.22	32.15	24.36	357.4	.36	.02	1494.8
20	9.25	32.57	25.20	277.6	.67	.06	1484.8
30	8.66	32.59	25.31	268.1	.94	.13	1482.8
50	8.17	32.65	25.43	256.1	1.46	.34	1481.3
75	7.90	33.17	25.87	214.8	2.06	.71	1481.4
100	7.77	33.56	26.20	184.1	2.55	1.14	1481.8
125	7.55	33.81	26.43	162.7	2.98	1.62	1481.7
150	7.28	33.90	26.54	153.1	3.37	2.16	1481.1
175	6.93	33.94	26.62	145.7	3.74	2.76	1480.2
200	6.64	33.95	26.66	141.4	4.10	3.43	1479.5
225	6.39	33.96	26.70	137.9	4.45	4.17	1478.9
250	6.19	33.97	26.74	134.9	4.79	4.98	1478.5
300	5.84	34.00	26.80	129.0	5.45	6.78	1478.0
400	5.23	34.04	26.91	119.9	6.69	11.12	1477.2
500	4.91	34.11	27.00	111.8	7.84	16.30	1477.6
600	4.75	34.18	27.07	105.8	8.93	22.29	1478.7
800	4.03	34.28	27.24	91.1	10.91	36.08	1479.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
855.0	3.86	34.34	27.30	85.7	11.39	40.10	1479.4

WIND MIXED LAYER DEPTH = 9.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

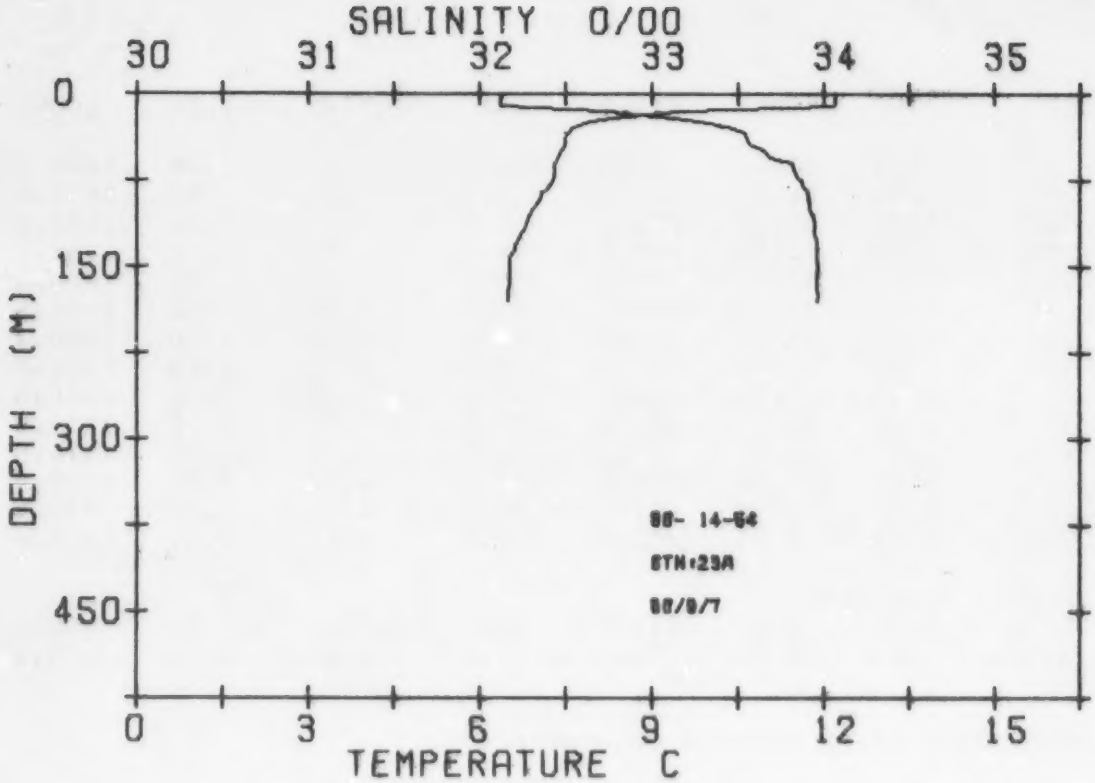
CRUISE : C.O.D.E. 80-14.
STATION: 23 CONS #053
LAT N 49 10.0 LONG W 127 02.1
DATE 80/09/07 TIME (PST) 1302

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.21	32.11	24.33	360.6	.00	.00	1494.6
10	11.70	32.03	24.36	357.6	.36	.02	1492.9
20	8.76	32.71	25.38	260.5	.65	.06	1483.2
30	8.59	32.83	25.51	249.1	.90	.12	1482.8
50	7.87	33.11	25.83	218.3	1.37	.31	1480.8
75	7.56	33.53	26.20	183.3	1.87	.62	1480.5
100	7.41	33.79	26.43	162.1	2.30	1.00	1480.7
125	7.26	33.87	26.52	154.2	2.70	1.44	1480.6
150	7.10	33.92	26.58	148.6	3.08	1.96	1480.5
175	6.85	33.95	26.64	143.5	3.44	2.55	1479.9
200	6.65	33.97	26.68	140.2	3.80	3.22	1479.5
225	6.51	33.99	26.71	137.3	4.14	3.95	1479.4
250	6.40	33.99	26.73	135.9	4.48	4.76	1479.4
300	5.93	34.03	26.82	127.5	5.14	6.57	1478.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
355.1	5.89	34.03	26.83	127.4	5.84	8.87	1479.1

WIND MIXED LAYER DEPTH = 6.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 14-64
STN:23A
88/8/7
0
3
6
9
12
15
TEMPERATURE C

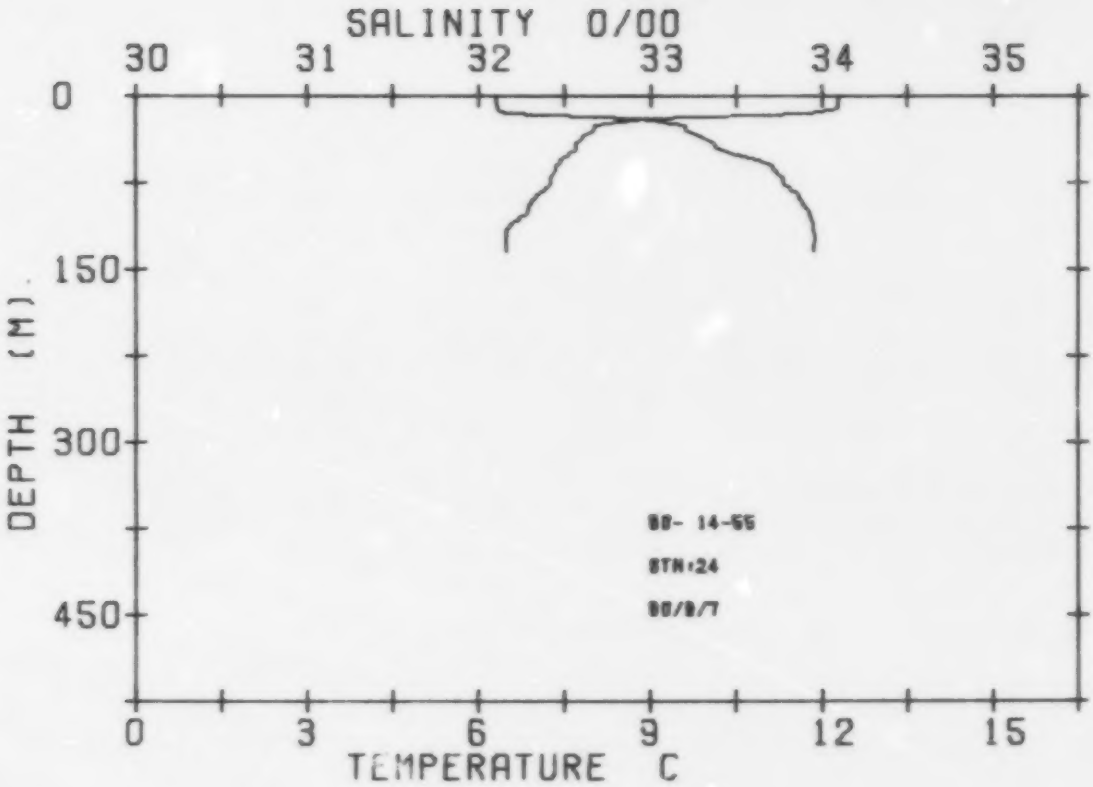
CRUISE : C.O.D.E. 80-14.
STATION: 23A CONS #054
LAT N 49 10.0 LONG W 127 02.0
DATE 80/09/07 TIME (PST) 1350

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.21	32.13	24.35	358.7	.00	.00	1494.6
10	12.19	32.12	24.34	359.7	.36	.02	1494.7
20	8.36	33.09	25.75	226.1	.64	.06	1482.1
30	7.61	33.47	26.16	187.3	.84	.11	1479.9
50	7.40	33.66	26.33	170.7	1.20	.25	1479.7
75	7.26	33.87	26.52	153.4	1.60	.50	1479.8
100	6.91	33.92	26.61	145.4	1.97	.83	1478.9
125	6.67	33.96	26.67	140.1	2.33	1.23	1478.4
150	6.51	33.97	26.70	137.4	2.68	1.70	1478.2
175	6.49	33.97	26.70	137.9	3.02	2.26	1478.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
180.2	6.49	33.96	26.69	138.1	3.09	2.39	1478.6

WIND MIXED LAYER DEPTH = 9.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 14-55
STN:24
88/8/7
0
3
6
9
12
15
TEMPERATURE C

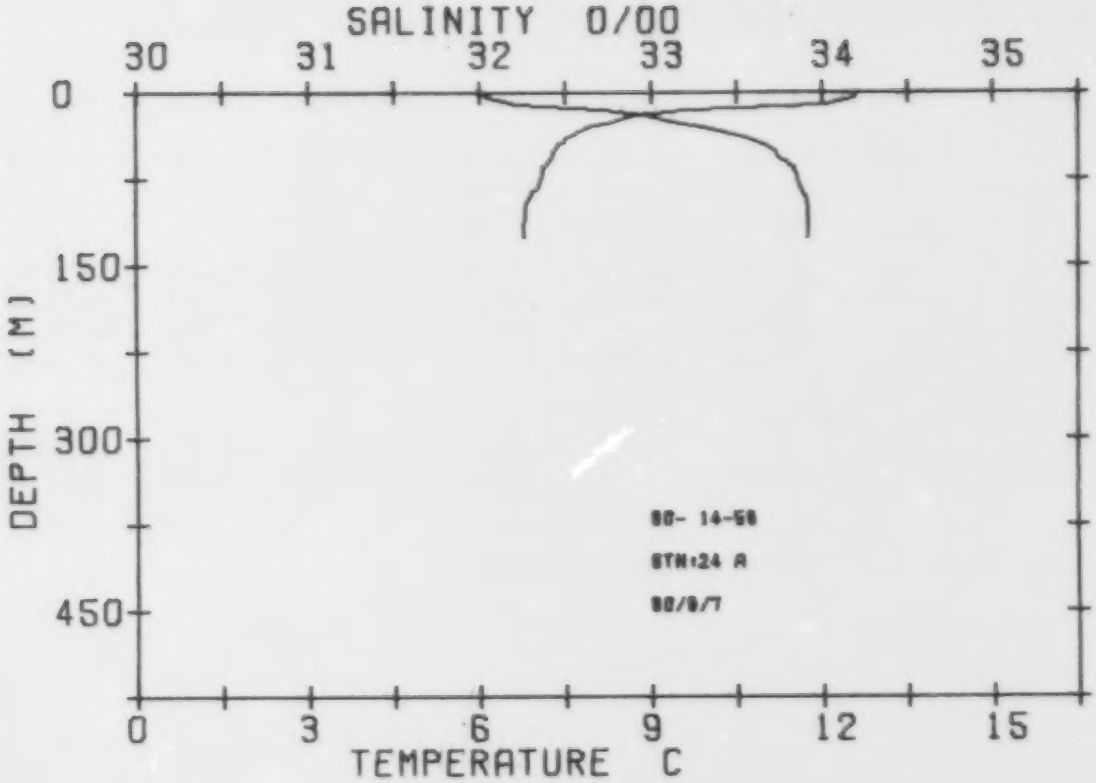
CRUISE : C.O.D.E. 80-14.
STATION: 24 CONS #055
LAT N 49 15.5 LONG W 126 53.0
DATE 80/09/07 TIME (PST) 1429

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.29	32.10	24.31	362.4	.00	.00	1494.8
10	12.26	32.11	24.32	361.8	.36	.02	1494.9
20	8.91	32.92	25.52	247.1	.69	.07	1484.0
30	7.99	33.21	25.90	211.8	.91	.12	1481.1
50	7.59	33.47	26.16	187.3	1.31	.28	1480.2
75	7.25	33.77	26.44	160.9	1.73	.54	1479.6
100	6.84	33.92	26.62	144.4	2.11	.87	1478.6
125	6.47	33.96	26.69	137.7	2.46	1.26	1477.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
135.1	6.47	33.95	26.69	138.0	2.60	1.44	1477.8

WIND MIXED LAYER DEPTH = 14.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-58
STN:24 A
80/8/7
0
3
6
9
12
15
TEMPERATURE C

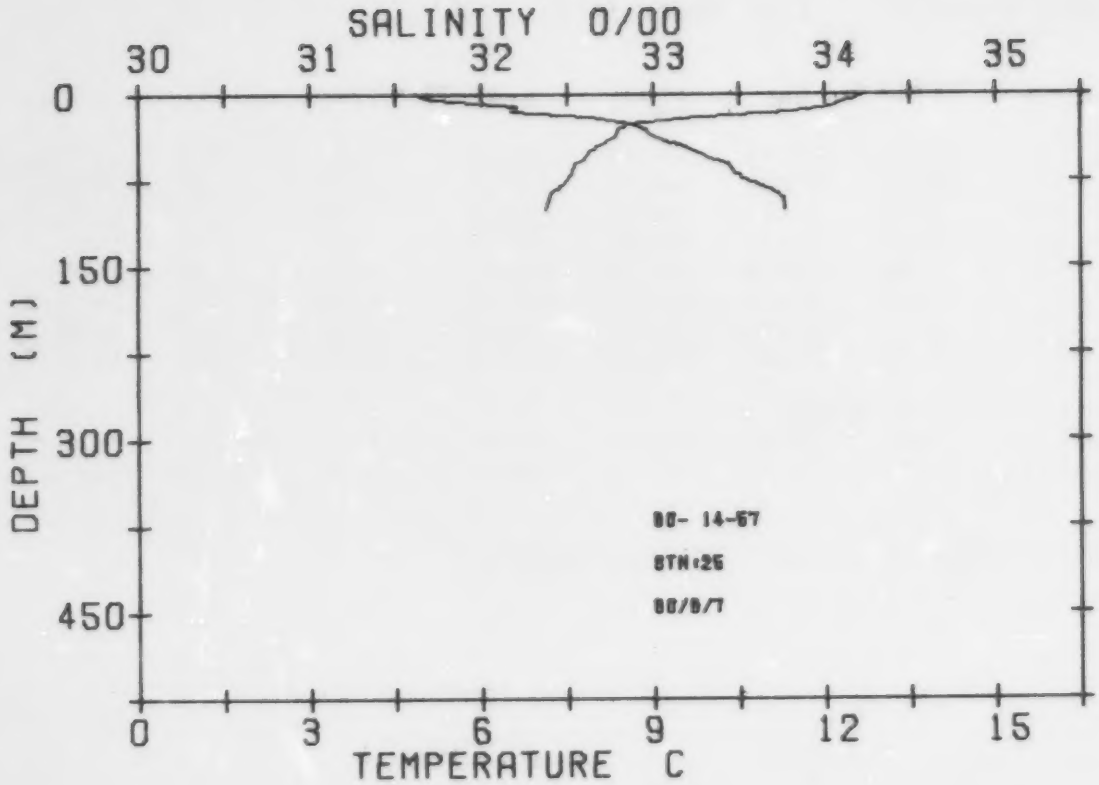
CRUISE : C.O.D.E. 80-14.
STATION: 24 A CONS #056
LAT N 49 18.2 LONG W 126 48.8
DATE 80/09/07 TIME (PST) 1503

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.60	32.02	24.19	374.0	.00	.00	1495.8
10	12.08	32.20	24.43	351.2	.37	.02	1494.4
20	8.70	32.97	25.60	239.8	.65	.06	1483.3
30	7.86	33.31	25.99	202.9	.87	.11	1480.7
50	7.30	33.73	26.40	164.3	1.24	.26	1479.4
75	7.06	33.86	26.54	151.6	1.63	.50	1479.0
100	6.78	33.92	26.62	144.0	2.00	.82	1478.4
125	6.77	33.92	26.62	144.4	2.36	1.23	1478.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.6	6.77	33.91	26.62	144.6	2.37	1.24	1478.7

WIND MIXED LAYER DEPTH = 8.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-67
STN:25
80/8/7
0
3
6
9
12
15
TEMPERATURE C

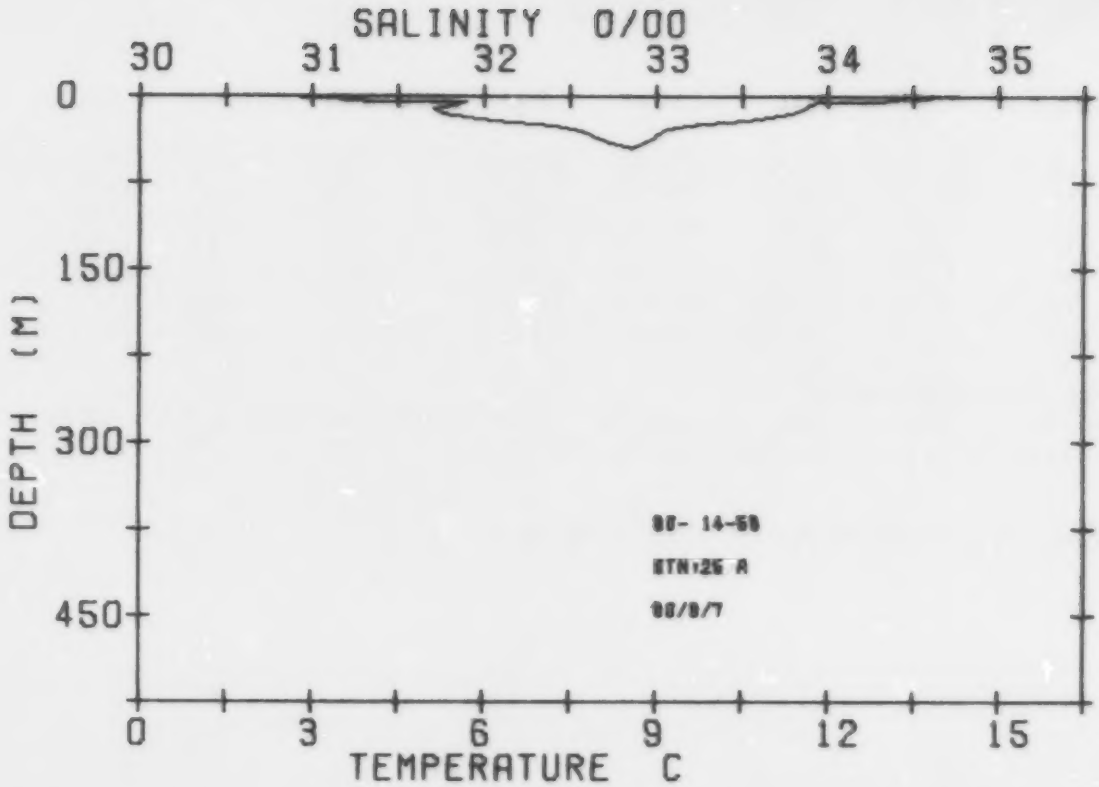
CRUISE : C.O.D.E. 80-14.
STATION: 25 CONS #057
LAT N 49 21.5 LONG W 126 44.5
DATE 80/09/07 TIME (PST) 1543

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.72	31.62	23.86	405.6	.00	.00	1495.7
10	12.11	32.20	24.42	351.7	.38	.02	1494.5
20	9.88	32.62	25.14	283.8	.71	.07	1487.2
30	8.41	32.96	25.64	236.5	.97	.13	1482.3
50	7.89	33.25	25.94	208.3	1.41	.31	1481.0
75	7.46	33.55	26.23	180.4	1.89	.61	1480.2
100	7.12	33.77	26.46	159.5	2.31	.97	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.1	7.12	33.77	26.46	159.5	2.31	.97	1479.5

WIND MIXED LAYER DEPTH = 8.0 METRES

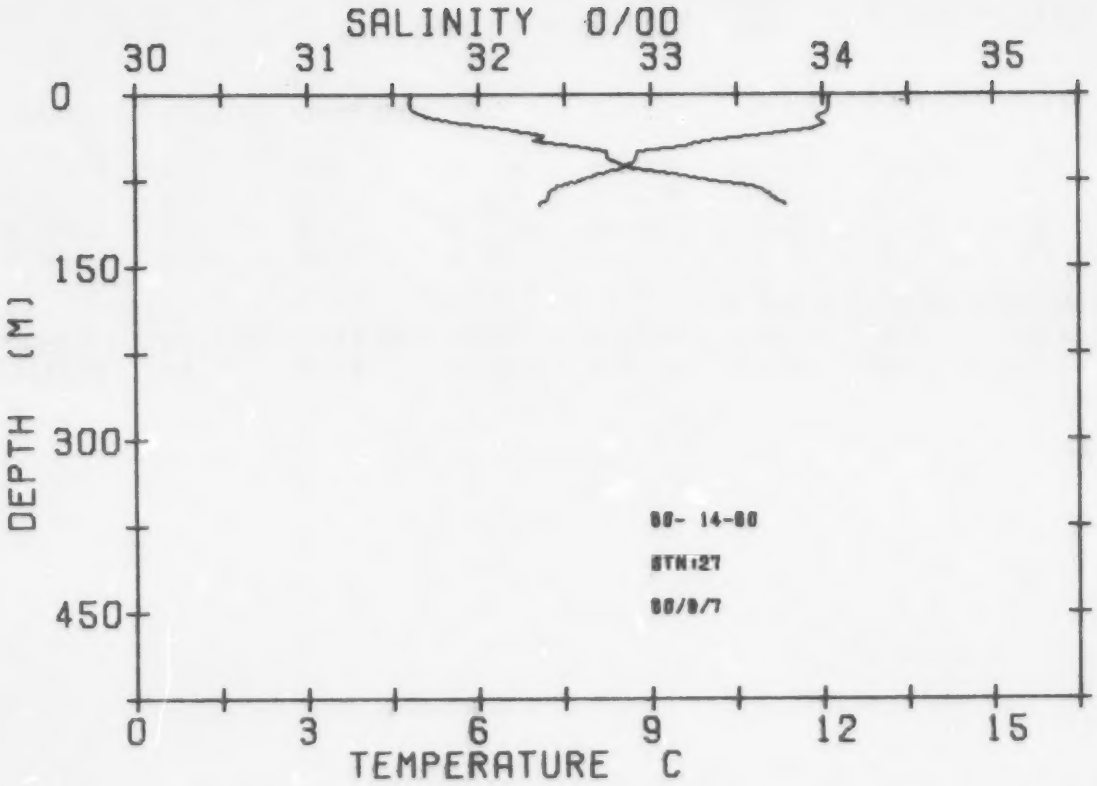

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 25 A CONS #058
LAT N 49 23.0 LONG W 126 40.0
DATE 80/09/07 TIME (PST) 1624

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.48	30.63	22.76	510.5	.00	.00	1500.4
10	11.64	31.71	24.13	379.7	.41	.02	1492.2
20	10.64	32.04	24.56	339.0	.78	.07	1489.2
30	9.13	32.57	25.22	276.1	1.08	.15	1484.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
45.1	8.58	32.87	25.54	245.9	1.47	.30	1483.1


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-80
STN:27
80/9/7
0
3
6
9
12
15
TEMPERATURE C

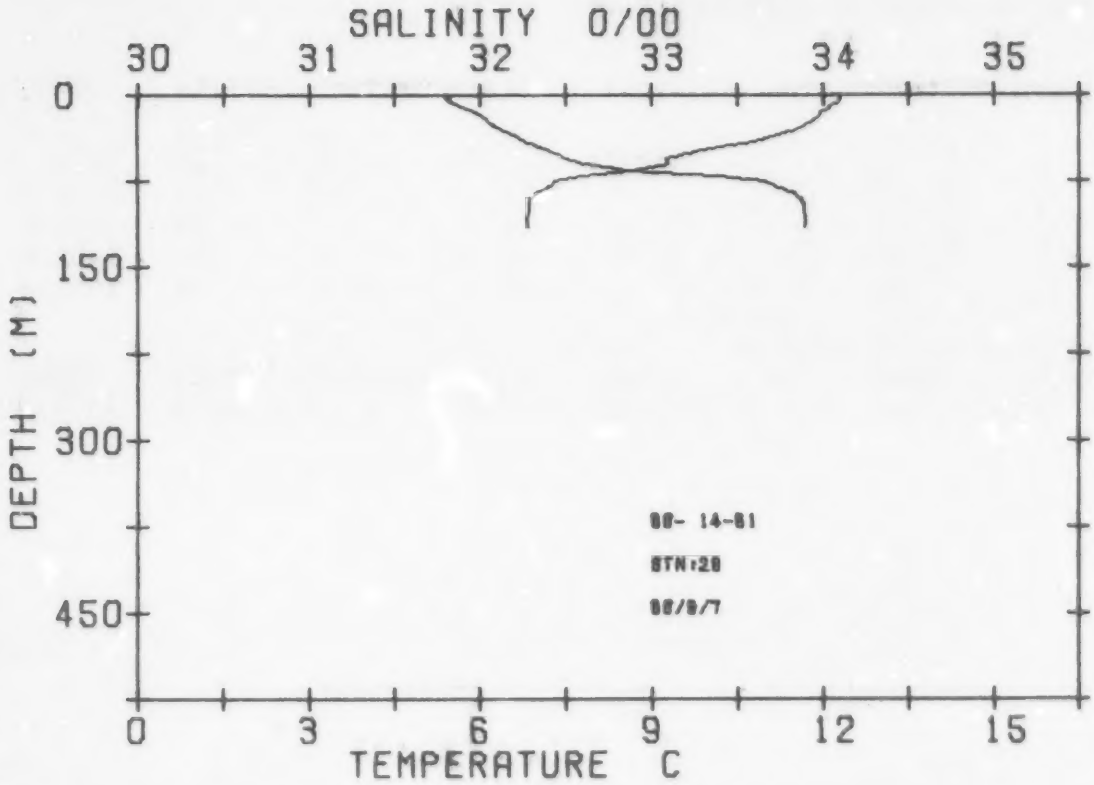
CRUISE : C.O.D.E. 80-14.
STATION: 27 CONS #060
LAT N 49 36.0 LONG W 127 01.0
DATE 80/09/07 TIME (PST) 1845

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.11	31.61	23.96	395.5	.00	.00	1493.6
10	12.11	31.60	23.96	395.9	.40	.02	1493.7
20	11.92	31.71	24.07	385.3	.79	.08	1493.4
30	11.78	32.17	24.46	348.9	1.16	.17	1493.6
50	8.80	32.74	25.41	258.9	1.76	.41	1483.8
75	7.74	33.35	26.04	198.7	2.36	.78	1481.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
96.0	7.08	33.79	26.48	157.6	2.72	1.08	1479.3

WIND MIXED LAYER DEPTH = 27.1 METRES

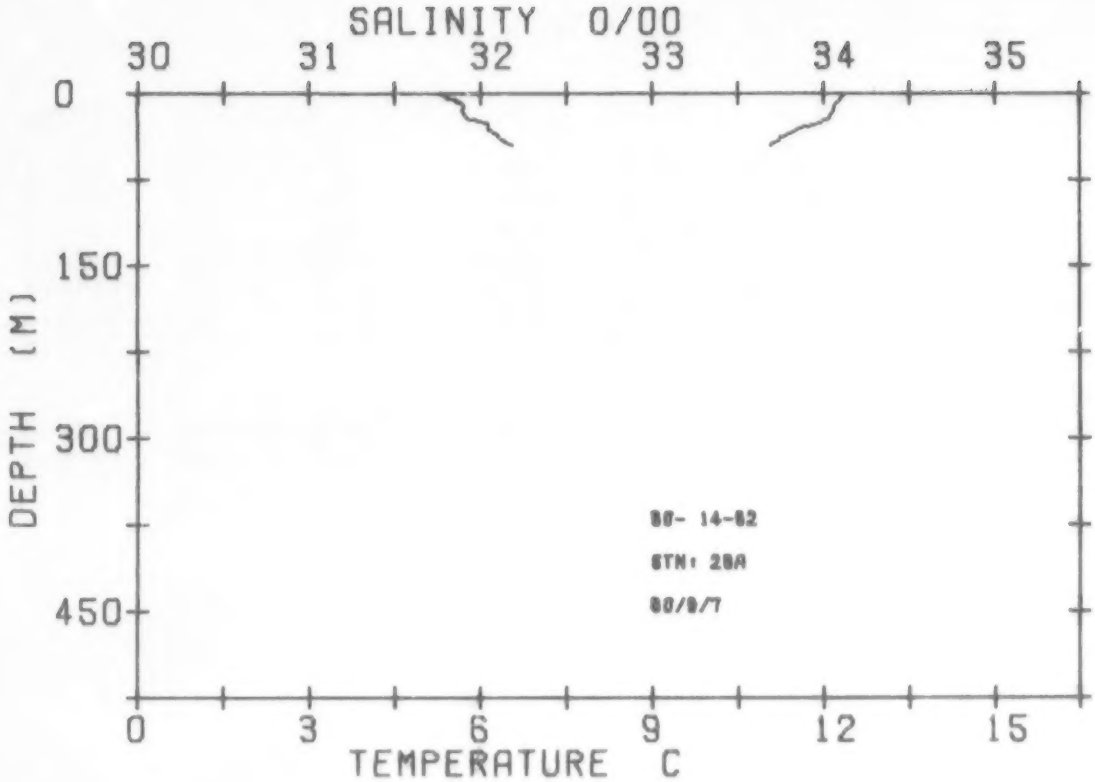

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
88- 14-81
STN:28
88/9/7
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 28 CONS #061
LAT N 49 40.5 LONG W 127 11.0
DATE 80/09/07 TIME (PST) 1952

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.31	31.79	24.07	385.3	.00	.00	1494.5
10	12.13	31.89	24.18	374.8	.38	.02	1494.2
20	11.85	32.04	24.34	359.5	.75	.07	1493.5
30	11.54	32.12	24.46	348.5	1.10	.16	1492.7
50	9.71	32.42	25.01	296.4	1.75	.42	1486.8
75	7.33	33.65	26.33	171.2	2.37	.80	1479.8
100	6.83	33.89	26.59	146.6	2.76	1.14	1478.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
115.0	6.83	33.89	26.59	146.8	2.98	1.37	1478.8

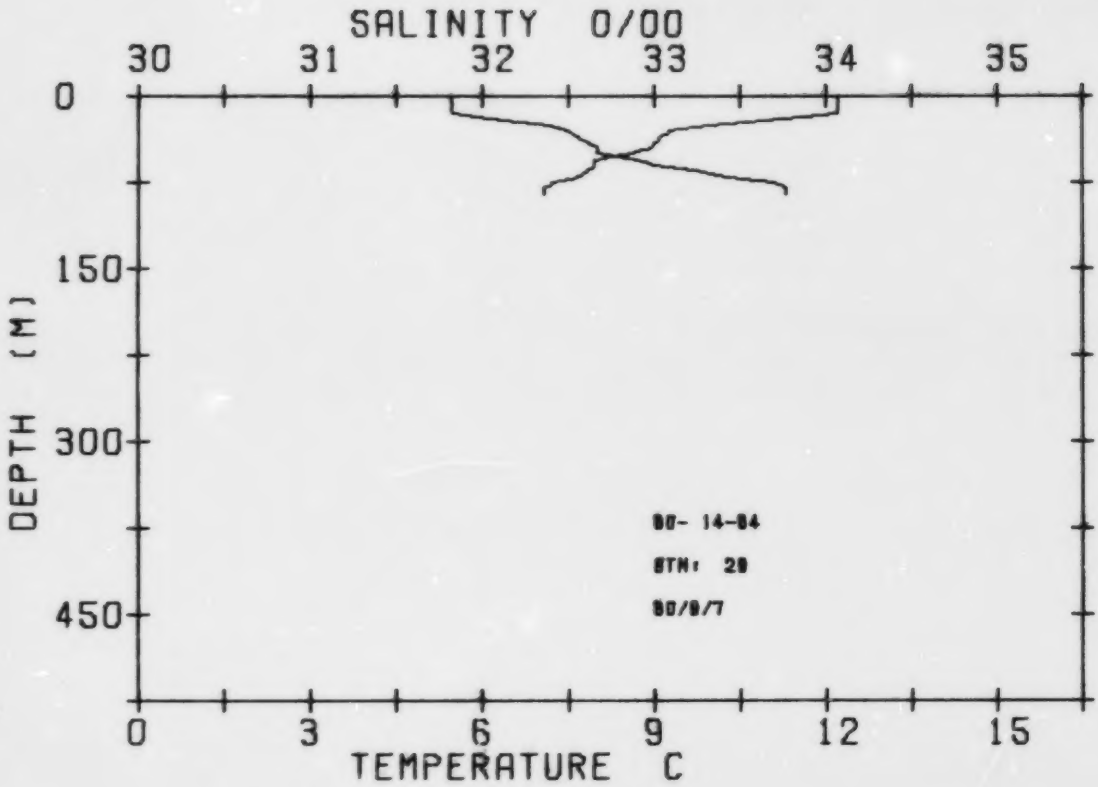

SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-62
STN: 28A
80/9/7
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: 28A CONS #062
LAT N 49 49.0 LONG W 127 15.0
DATE 80/09/07 TIME (PST) 2105

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.40	31.76	24.03	389.4	.00	.00	1494.8
10	12.22	31.90	24.17	376.4	.38	.02	1494.5
20	12.09	31.92	24.21	372.4	.76	.08	1494.2
30	11.60	32.04	24.39	355.3	1.12	.17	1492.8
50	9.83	32.45	25.02	295.9	1.80	.43	1487.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
50.1	9.80	32.46	25.03	295.0	1.80	.44	1487.2


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
90- 14-84
STN: 28
90/9/7
0
3
6
9
12
15
TEMPERATURE C

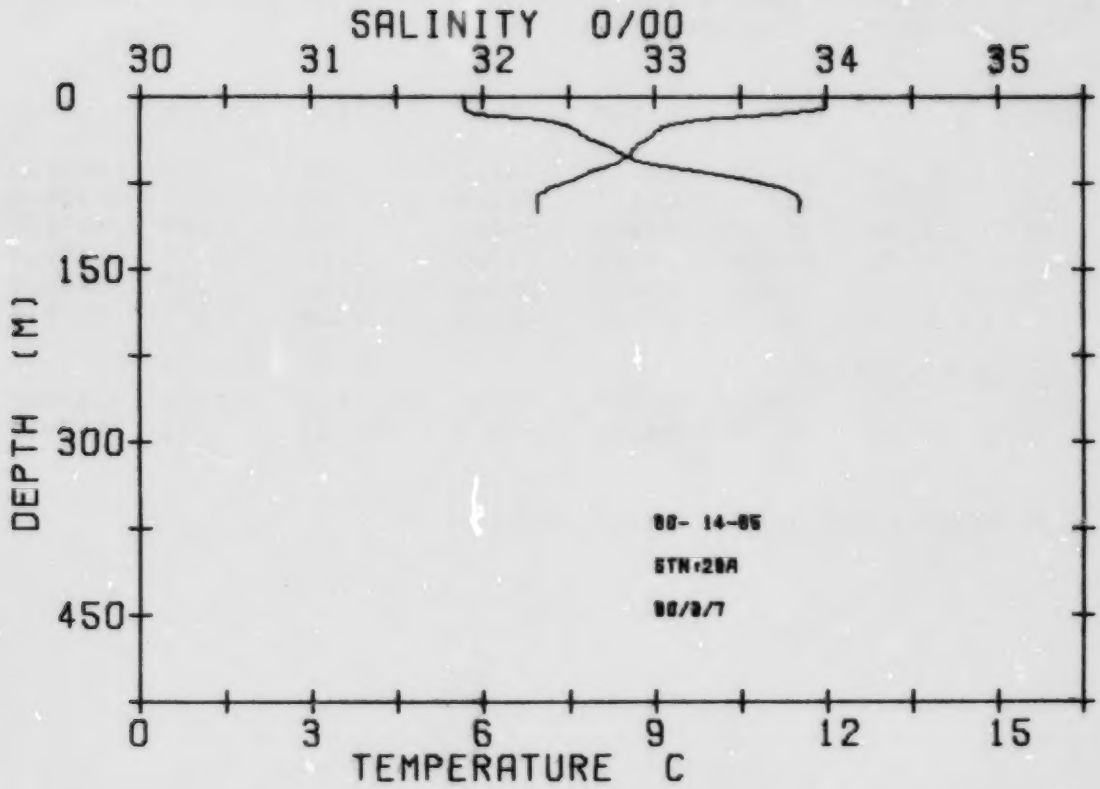
CRUISE : C.O.D.E. 80-14.
STATION: 29 CONS #064
LAT N 49 46.1 LONG W 127 20.0
DATE 80/09/07 TIME (PST) 2155

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.20	31.82	24.11	381.3	.00	.00	1494.2
10	12.20	31.82	24.11	381.9	.38	.02	1494.3
20	11.30	32.03	24.44	350.6	.75	.07	1491.6
30	9.25	32.50	25.15	283.4	1.06	.15	1484.9
50	8.59	32.66	25.38	261.6	1.61	.37	1482.9
75	7.20	33.70	26.39	165.6	2.15	.70	1479.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
85.4	7.08	33.77	26.46	159.2	2.31	.83	1479.2

WIND MIXED LAYER DEPTH = 15.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-05
STN:28A
80/8/7
0
3
6
9
12
15
TEMPERATURE C

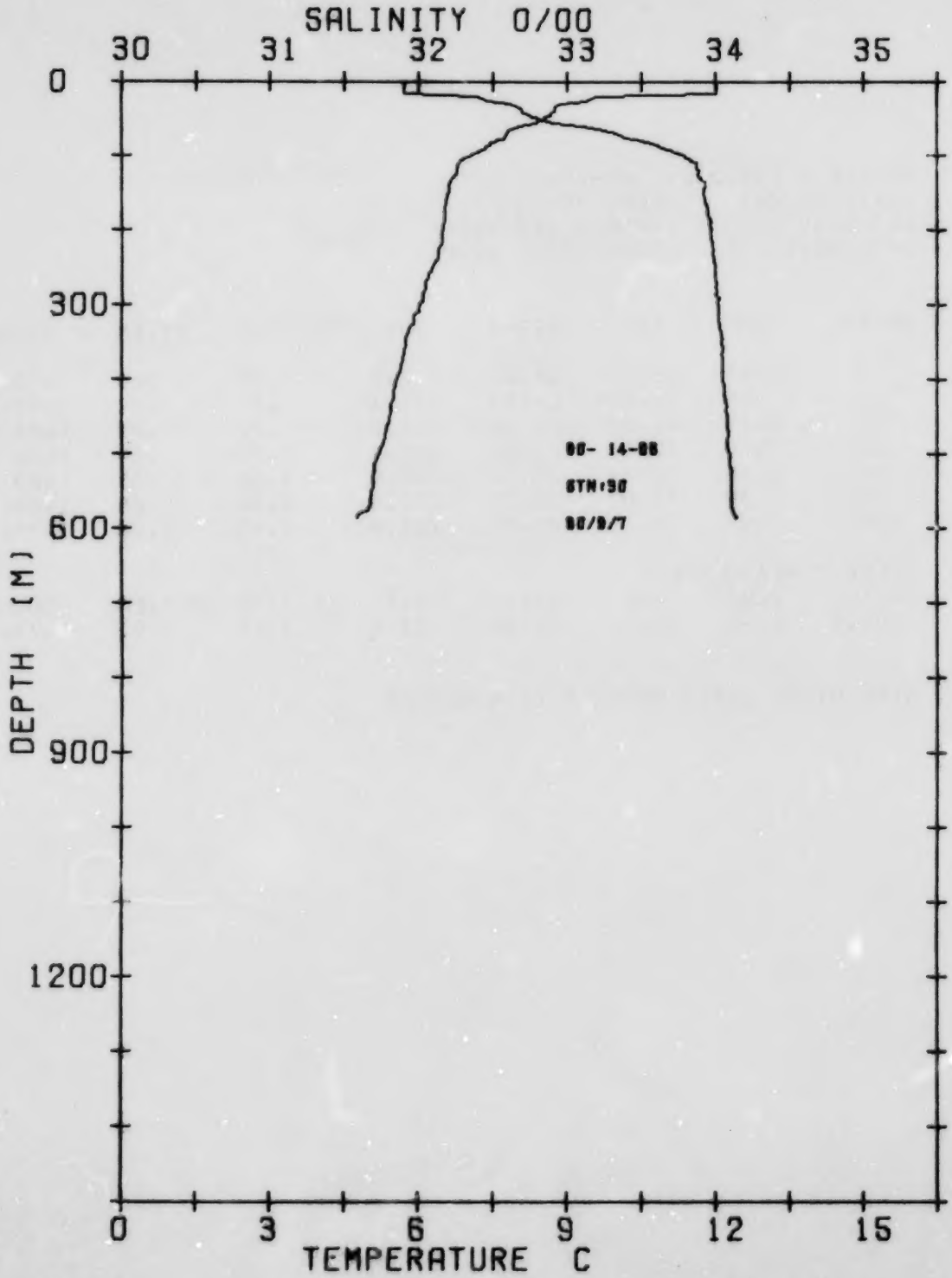
CRUISE : C.O.D.E. 80-14.
STATION: 29A CONS #065
LAT N 49 43.3 LONG W 127 24.5
DATE 80/09/07 TIME (PST) 2242

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.97	31.89	24.21	372.0	.00	.00	1493.5
10	11.98	31.90	24.21	372.1	.37	.02	1493.6
20	9.77	32.35	24.95	302.2	.72	.07	1486.5
30	9.00	32.55	25.23	275.4	1.00	.14	1484.0
50	8.54	32.81	25.50	249.9	1.53	.35	1483.0
75	7.39	33.63	26.31	172.9	2.06	.68	1480.0
100	6.95	33.84	26.54	151.8	2.45	1.02	1479.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.4	6.95	33.84	26.54	151.8	2.46	1.03	1479.0

WIND MIXED LAYER DEPTH = 11.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
88- 14-88
STN:50
88/9/7
0
3
6
9
12
15
TEMPERATURE C

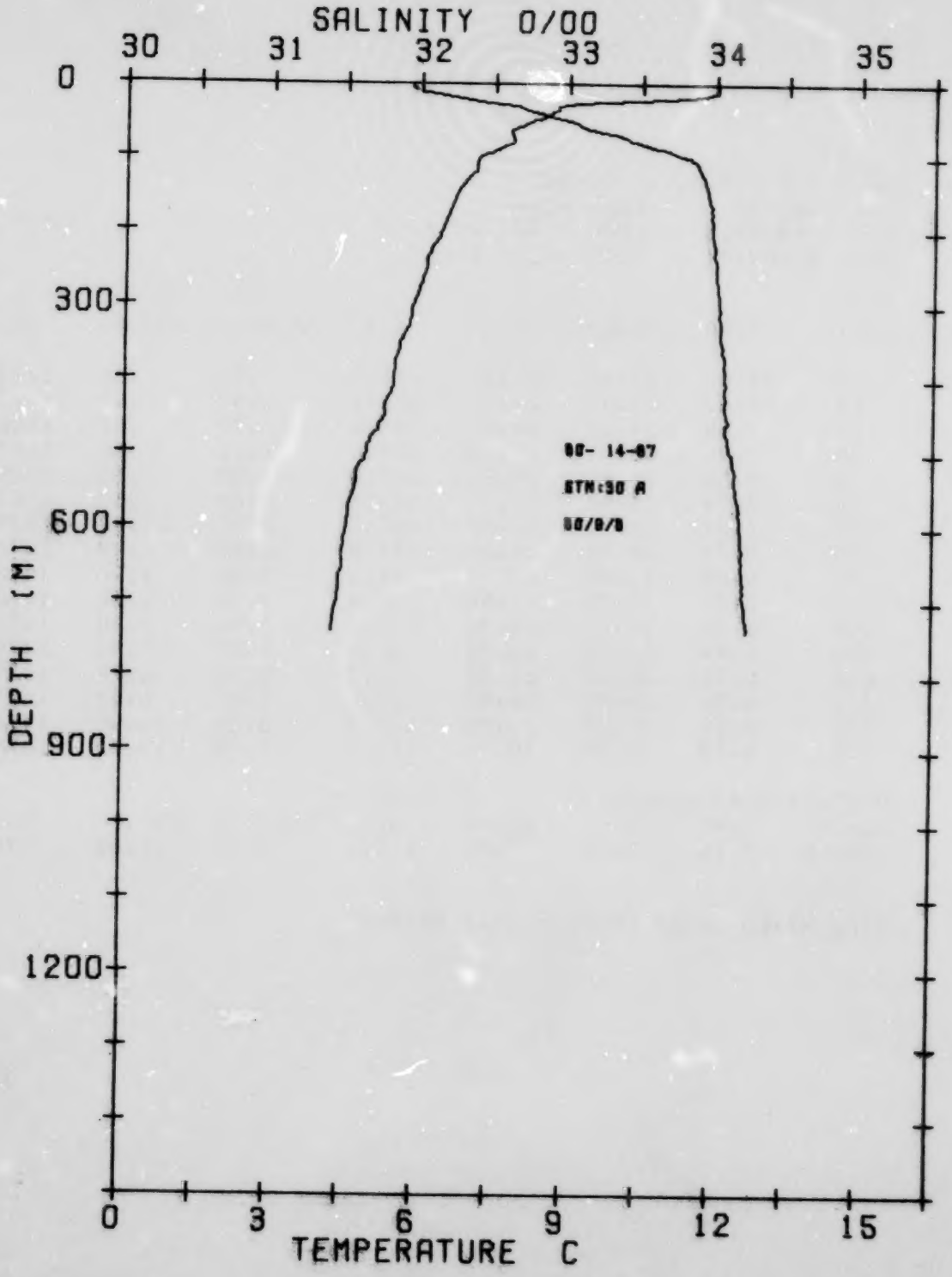
CRUISE : C.O.D.E. 80-14.
STATION: 30 CONS #066
LAT N 49 40.5 LONG W 127 29.0
DATE 80/09/07 TIME (PST) 2321

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.00	31.90	24.21	371.9	.00	.00	1493.6
10	12.02	31.90	24.21	372.2	.37	.02	1493.8
20	9.64	32.38	24.99	297.6	.72	.07	1486.0
30	8.90	32.61	25.29	269.6	1.01	.14	1483.7
50	8.54	32.81	25.50	249.9	1.53	.35	1482.9
75	7.76	33.40	26.08	195.5	2.08	.69	1481.2
100	7.07	33.79	26.48	157.7	2.51	1.07	1479.4
125	6.78	33.88	26.59	147.2	2.89	1.49	1478.7
150	6.64	33.92	26.64	142.5	3.25	1.98	1478.6
175	6.54	33.95	26.68	139.4	3.60	2.55	1478.7
200	6.51	33.97	26.70	138.3	3.94	3.20	1479.0
225	6.44	33.99	26.72	136.4	4.29	3.93	1479.1
250	6.31	34.00	26.74	134.3	4.63	4.74	1479.1
300	6.04	34.02	26.80	129.5	5.29	6.55	1478.8
400	5.59	34.05	26.88	122.8	6.54	10.95	1478.7
500	5.23	34.10	26.96	116.5	7.74	16.33	1478.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
585.6	4.76	34.14	27.05	108.2	8.72	21.62	1478.5

WIND MIXED LAYER DEPTH = 15.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

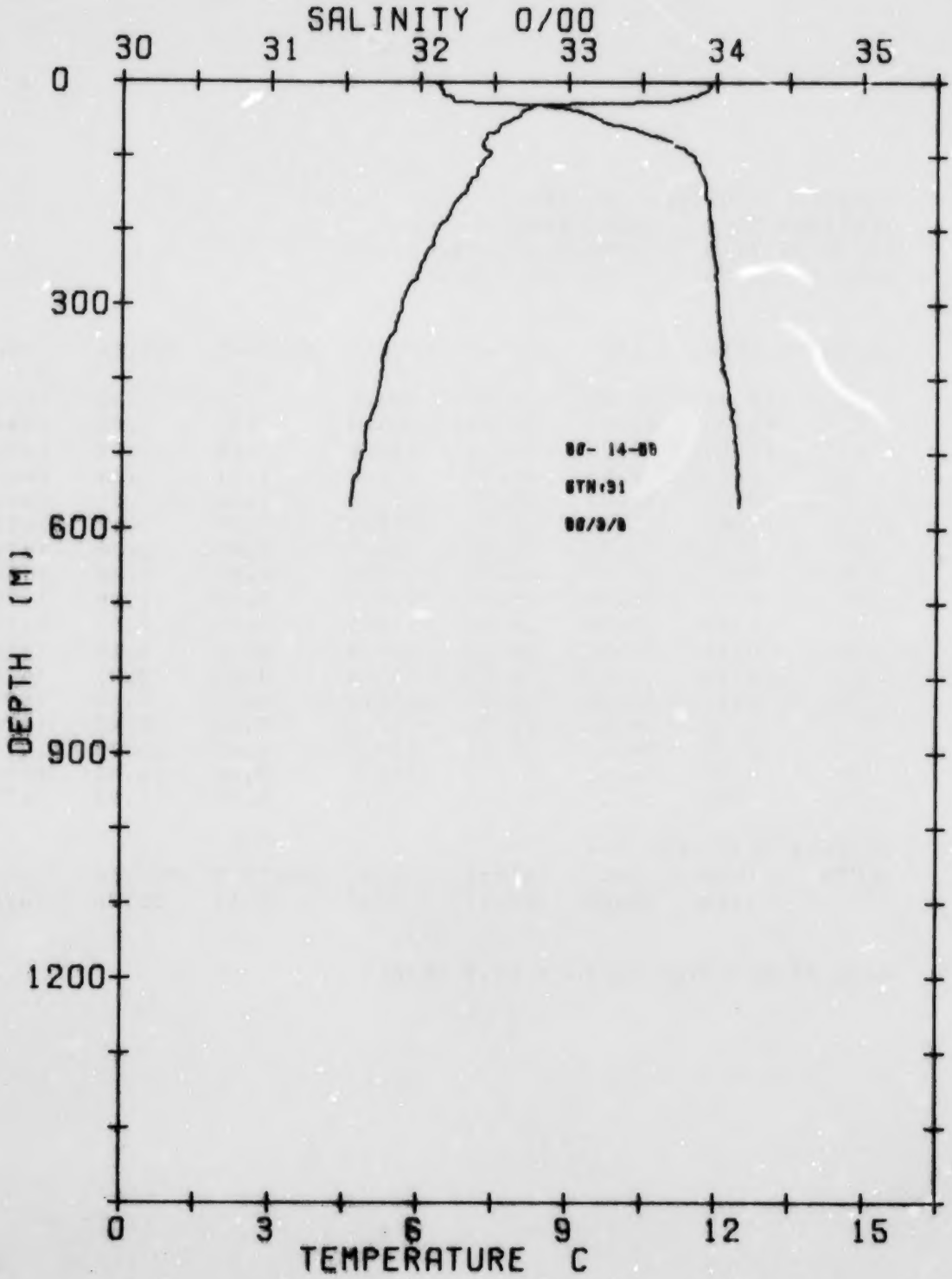
CRUISE : C.O.D.E. 80-14.
STATION: 30 A CONS #067
LAT N 49 37.5 LONG W 127 33.5
DATE 80/09/08 TIME (PST) 0016

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.04	31.94	24.24	369.4	.00	.00	1493.8
10	12.03	31.99	24.27	368.4	.37	.02	1494.0
20	11.10	32.26	24.65	330.4	.72	.07	1491.2
30	8.79	32.66	25.35	264.2	1.01	.14	1483.4
50	8.24	33.01	25.70	230.8	1.51	.34	1482.1
75	7.88	33.40	26.06	197.0	2.04	.67	1481.6
100	7.19	33.82	26.49	156.9	2.49	1.06	1479.9
125	7.02	33.92	26.59	147.6	2.87	1.48	1479.7
150	6.75	33.95	26.65	141.9	3.23	1.98	1479.1
175	6.60	33.98	26.69	138.5	3.58	2.55	1479.0
200	6.46	33.98	26.71	136.8	3.92	3.19	1478.8
225	6.24	34.00	26.75	133.1	4.26	3.91	1478.4
250	6.14	34.01	26.78	131.2	4.59	4.69	1478.4
300	5.88	34.03	26.82	127.1	5.23	6.47	1478.2
400	5.49	34.07	26.91	120.2	6.47	10.78	1478.3
500	4.95	34.11	27.00	111.7	7.64	16.04	1477.8
600	4.55	34.18	27.10	103.0	8.70	21.88	1477.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
740.1	4.26	34.23	27.17	97.2	10.11	31.28	1479.0

WIND MIXED LAYER DEPTH = 15.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:31
0
3
6
9
12
15
TEMPERATURE C

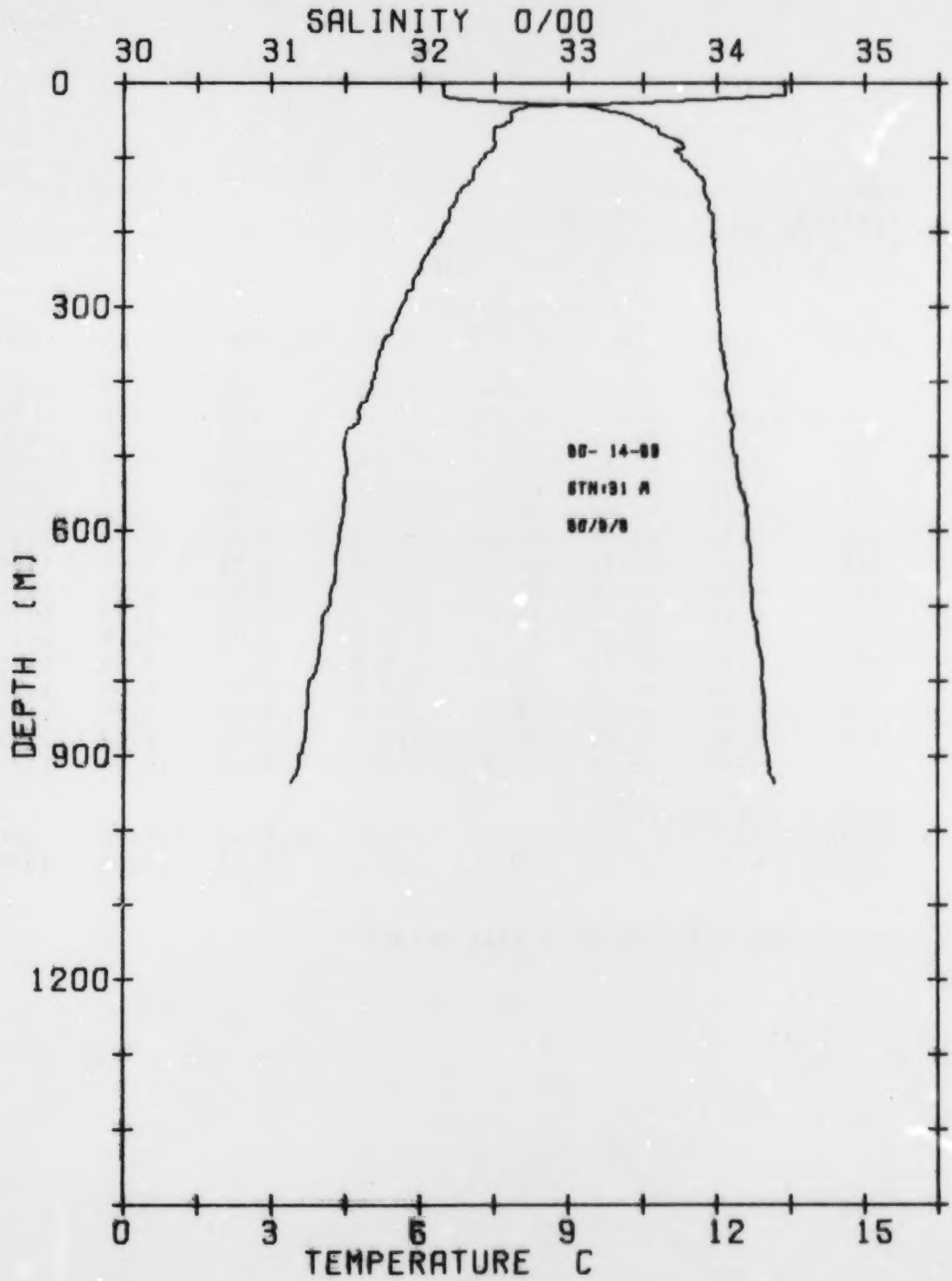
CRUISE : C.O.D.E. 80-14.
STATION: 31 CONS #068
LAT N 49 34.5 LONG W 127 38.0
DATE 80/09/08 TIME (PST) 0116

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.88	32.13	24.41	353.1	.00	.00	1493.5
10	11.83	32.15	24.43	350.9	.35	.02	1493.5
20	11.47	32.21	24.55	340.3	.70	.07	1492.4
30	8.50	32.76	25.47	252.9	1.01	.15	1482.4
50	7.90	33.21	25.91	210.8	1.46	.33	1481.0
75	7.35	33.64	26.32	172.1	1.94	.62	1479.9
100	7.38	33.84	26.48	157.5	2.35	.98	1480.7
125	7.13	33.91	26.57	149.8	2.73	1.41	1480.2
150	6.91	33.93	26.61	145.6	3.10	1.91	1479.7
175	6.64	33.96	26.67	140.2	3.46	2.49	1479.1
200	6.37	33.97	26.71	136.5	3.80	3.14	1478.4
225	6.19	33.98	26.75	133.8	4.14	3.86	1478.2
250	6.04	34.01	26.79	129.5	4.47	4.64	1478.0
300	5.66	34.02	26.84	125.1	5.10	6.39	1477.3
400	5.24	34.08	26.94	116.9	6.32	10.62	1477.3
500	4.87	34.15	27.04	108.5	7.44	15.66	1477.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
570.0	4.62	34.16	27.08	105.1	8.18	19.65	1477.6

WIND MIXED LAYER DEPTH = 23.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

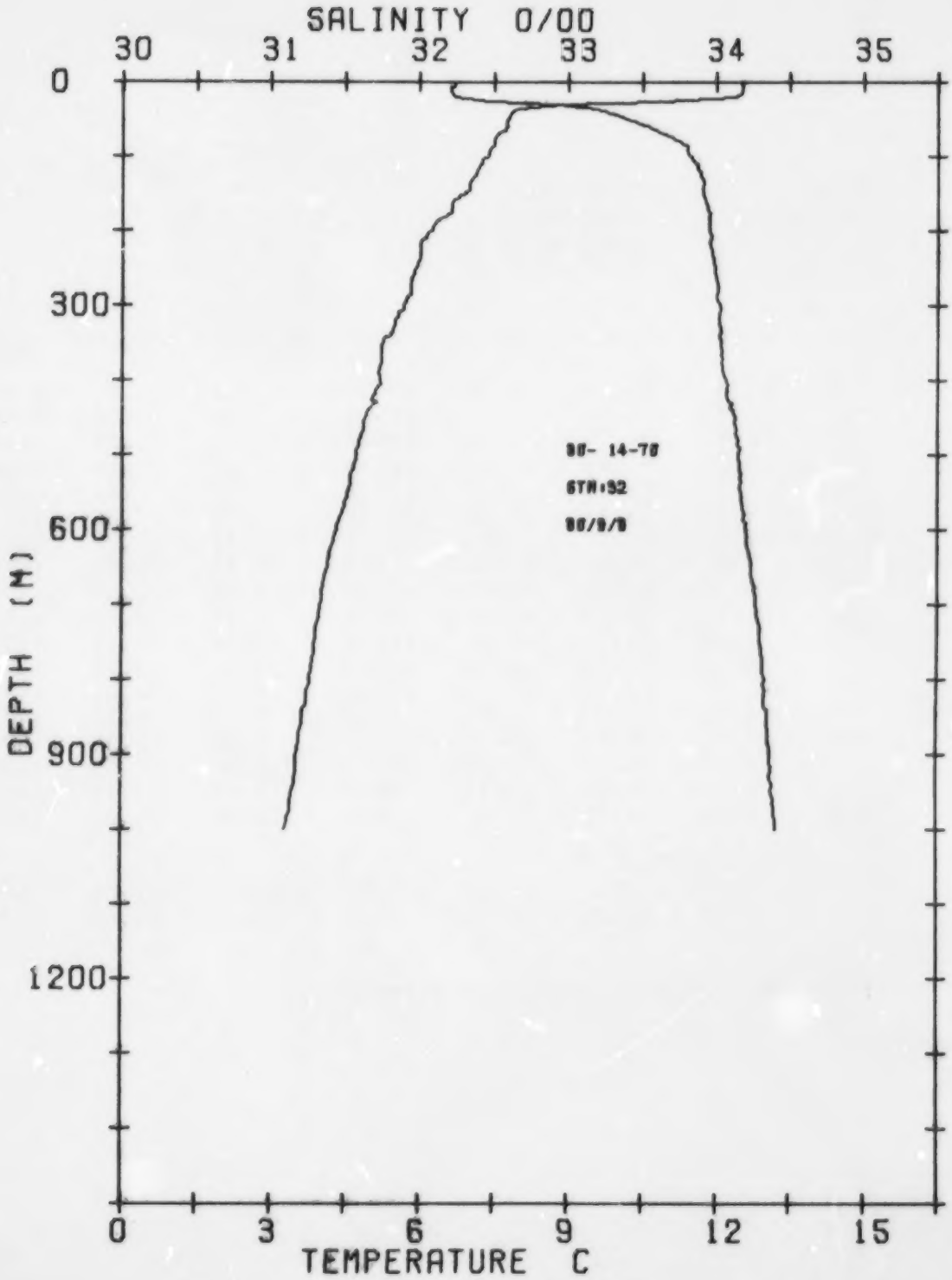
CRUISE : C.O.D.E. 80-14.
STATION: 31 A CONS #069
LAT N 49 31.7 LONG W 127 42.3
DATE 80/09/08 TIME (PST) 0210

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.36	32.16	24.15	378.0	.00	.00	1498.5
10	13.37	32.16	24.14	378.6	.38	.02	1498.7
20	12.40	32.19	24.36	358.2	.75	.07	1495.6
30	8.30	33.11	25.77	223.9	1.05	.15	1482.1
50	7.84	33.49	26.14	189.1	1.45	.31	1481.2
75	7.47	33.73	26.38	167.1	1.90	.58	1480.4
100	7.28	33.76	26.43	162.4	2.31	.94	1480.2
125	7.05	33.89	26.56	150.4	2.70	1.38	1479.8
150	6.75	33.92	26.62	144.5	3.06	1.89	1479.1
175	6.61	33.97	26.68	139.1	3.42	2.46	1479.0
200	6.44	33.97	26.71	136.9	3.76	3.11	1478.7
225	6.18	33.99	26.75	133.0	4.10	3.83	1478.1
250	6.03	33.99	26.77	131.5	4.43	4.61	1477.9
300	5.64	34.00	26.84	125.9	5.07	6.38	1477.2
400	5.05	34.06	26.95	116.1	6.28	10.58	1476.5
500	4.47	34.13	27.07	105.1	7.38	15.53	1475.8
600	4.40	34.21	27.14	98.9	8.40	21.15	1477.3
800	3.79	34.31	27.28	86.5	10.28	34.22	1478.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
936.6	3.40	34.39	27.39	76.9	11.41	44.09	1478.8

WIND MIXED LAYER DEPTH = 18.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

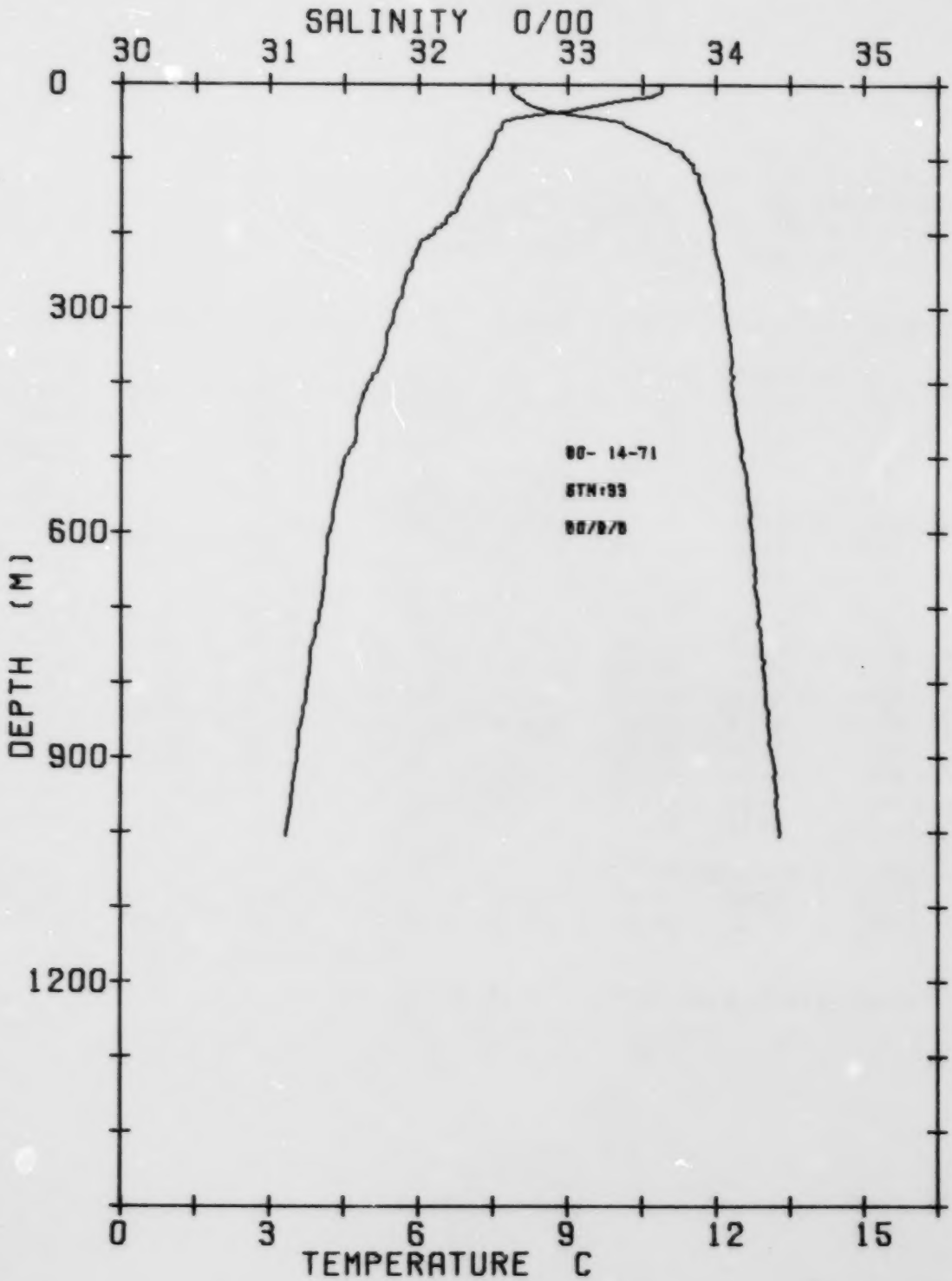
CRUISE : C.O.D.E. 80-14.
STATION: 32 CONS #070
LAT N 49 29.0 LONG W 127 46.5
DATE 80/09/08 TIME (PST) 0315

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.52	32.23	24.37	356.7	.00	.00	1495.8
10	12.53	32.21	24.35	358.5	.36	.02	1495.9
20	12.43	32.24	24.39	355.1	.72	.07	1495.8
30	9.14	32.87	25.45	254.4	1.02	.15	1484.9
50	7.79	33.40	26.07	195.6	1.45	.31	1480.8
75	7.52	33.72	26.36	168.7	1.90	.60	1480.6
100	7.38	33.83	26.47	158.7	2.31	.95	1480.6
125	7.14	33.89	26.55	151.1	2.69	1.39	1480.2
150	6.90	33.91	26.60	146.8	3.06	1.89	1479.7
175	6.64	33.96	26.67	140.5	3.42	2.48	1479.1
200	6.24	33.95	26.72	135.9	3.77	3.12	1477.9
225	6.03	33.97	26.76	132.7	4.10	3.83	1477.5
250	5.94	33.99	26.79	129.8	4.43	4.61	1477.6
300	5.68	34.03	26.85	124.9	5.07	6.37	1477.4
400	5.19	34.07	26.94	116.6	6.28	10.60	1477.1
500	4.74	34.15	27.06	106.4	7.39	15.60	1477.0
600	4.34	34.20	27.14	99.1	8.42	21.27	1477.0
800	3.80	34.34	27.31	84.3	10.25	33.99	1478.2
1000	3.31	34.41	27.41	75.1	11.85	48.41	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.31	34.41	27.41	75.1	11.85	48.41	1479.5

WIND MIXED LAYER DEPTH = 20.2 METRES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31
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33
34
35
0
300
600
900
1200
DEPTH (M)
00- 14-71
STN:93
00/0/0
0
3
6
9
12
15
TEMPERATURE C

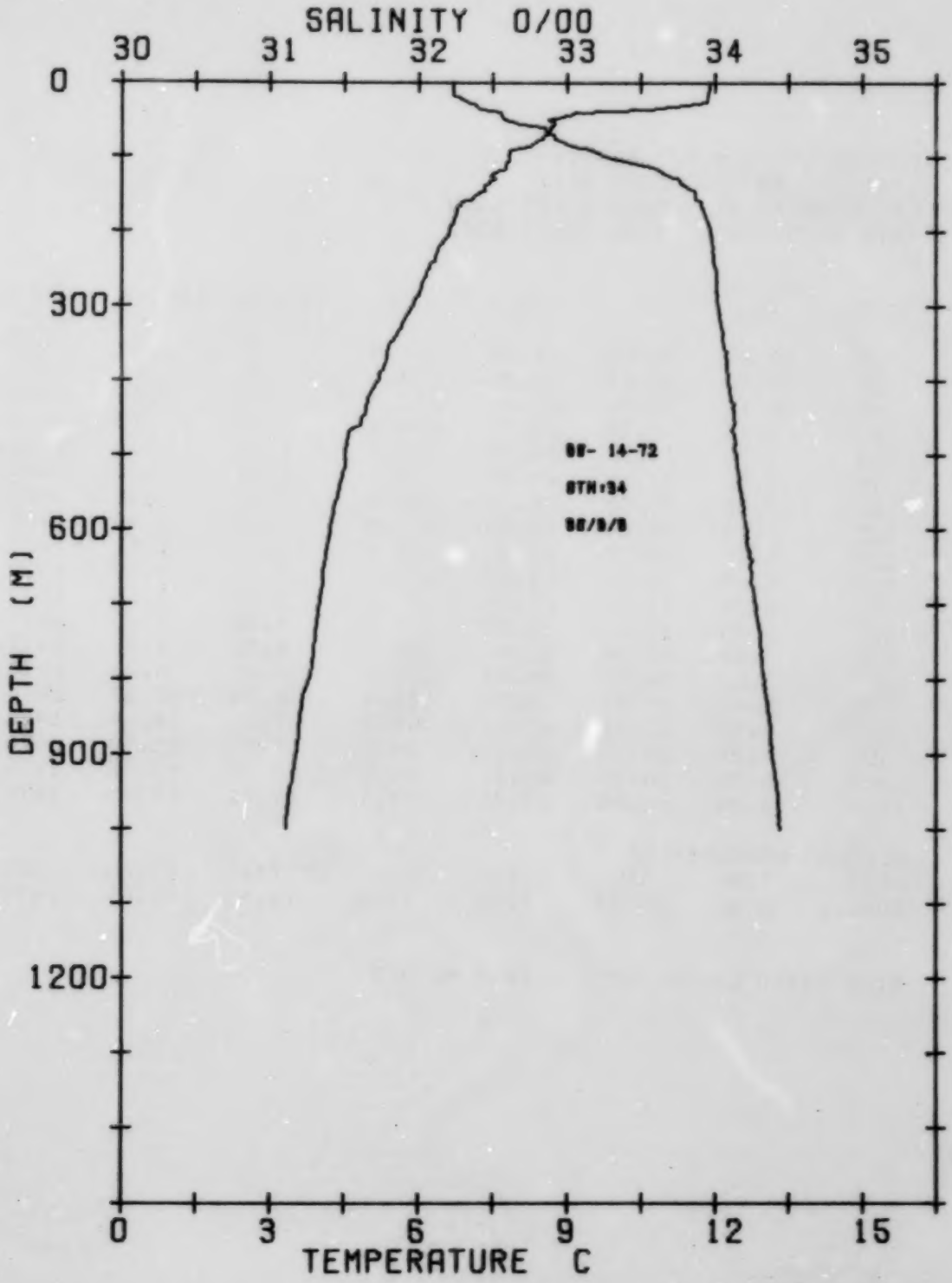
CRUISE : C.O.D.E. 80-14.
STATION: 33 CONS #071
LAT N 49 23.5 LONG W 127 55.0
DATE 80/09/08 TIME (PST) 0521

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	10.91	32.65	24.99	297.8	.00	.00	1490.7
10	10.90	32.63	24.98	299.1	.30	.02	1490.8
20	10.18	32.70	25.15	282.9	.59	.06	1488.4
30	9.43	32.78	25.34	264.8	.87	.13	1485.9
50	7.74	33.36	26.05	198.0	1.33	.31	1480.6
75	7.52	33.63	26.29	175.2	1.79	.60	1480.5
100	7.32	33.81	26.46	159.4	2.21	.96	1480.4
125	7.10	33.88	26.55	151.6	2.60	1.40	1480.0
150	6.90	33.93	26.61	145.8	2.97	1.91	1479.7
175	6.63	33.96	26.68	139.7	3.33	2.49	1479.1
200	6.30	33.99	26.74	134.1	3.67	3.13	1478.2
225	5.96	34.00	26.80	128.9	4.00	3.83	1477.3
250	5.82	34.04	26.84	125.1	4.32	4.58	1477.1
300	5.56	34.06	26.89	120.8	4.93	6.27	1476.9
400	5.01	34.10	26.99	112.4	6.09	10.33	1476.4
500	4.52	34.17	27.10	102.3	7.16	15.14	1476.1
600	4.22	34.24	27.18	94.9	8.14	20.50	1476.6
800	3.78	34.34	27.31	84.4	9.93	33.03	1478.1
1000	3.34	34.44	27.43	73.5	11.52	47.23	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.1	3.32	34.43	27.42	73.8	11.55	47.61	1479.7

WIND MIXED LAYER DEPTH = 12.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

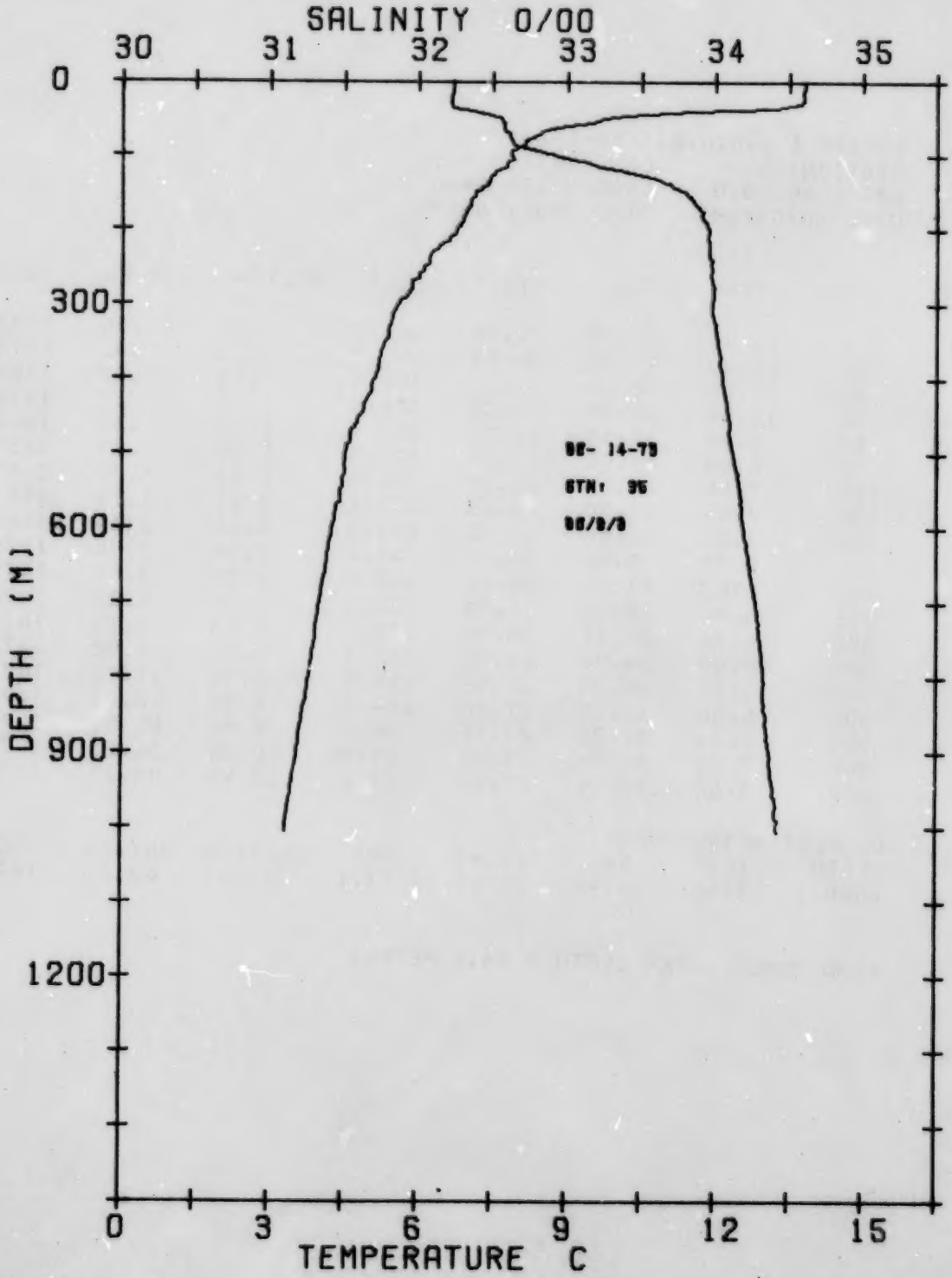
CRUISE : C.O.D.E. 80-14.
STATION: 34 CONS #072
LAT N 49 18.0 LONG W 128 04.0
DATE 80/09/08 TIME (PST) 0659

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	11.91	32.23	24.48	346.0	.00	.00	1493.7
10	11.90	32.23	24.48	346.2	.35	.02	1493.8
20	11.89	32.28	24.52	342.5	.69	.07	1494.0
30	11.44	32.39	24.69	326.8	1.03	.15	1492.7
50	8.66	32.59	25.31	267.9	1.61	.38	1483.1
75	8.49	32.93	25.60	240.6	2.24	.77	1483.3
100	7.84	33.27	25.96	206.9	2.80	1.26	1481.7
125	7.48	33.70	26.35	170.3	3.26	1.78	1481.2
150	7.22	33.86	26.52	154.8	3.66	2.34	1480.9
175	6.77	33.93	26.63	144.4	4.04	2.94	1479.6
200	6.62	33.97	26.68	139.4	4.39	3.60	1479.5
225	6.40	33.98	26.72	135.9	4.73	4.33	1479.0
250	6.21	34.01	26.76	132.4	5.07	5.13	1478.7
300	5.89	34.02	26.82	127.7	5.72	6.92	1478.2
400	5.18	34.09	26.96	114.9	6.92	11.12	1477.1
500	4.54	34.15	27.08	104.2	8.02	16.02	1476.1
600	4.23	34.22	27.16	96.7	9.02	21.57	1476.6
800	3.82	34.34	27.30	84.9	10.84	34.21	1478.3
1000	3.32	34.44	27.43	73.1	12.40	48.24	1479.6

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.32	34.44	27.43	73.1	12.40	48.25	1479.6

WIND MIXED LAYER DEPTH = 28.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

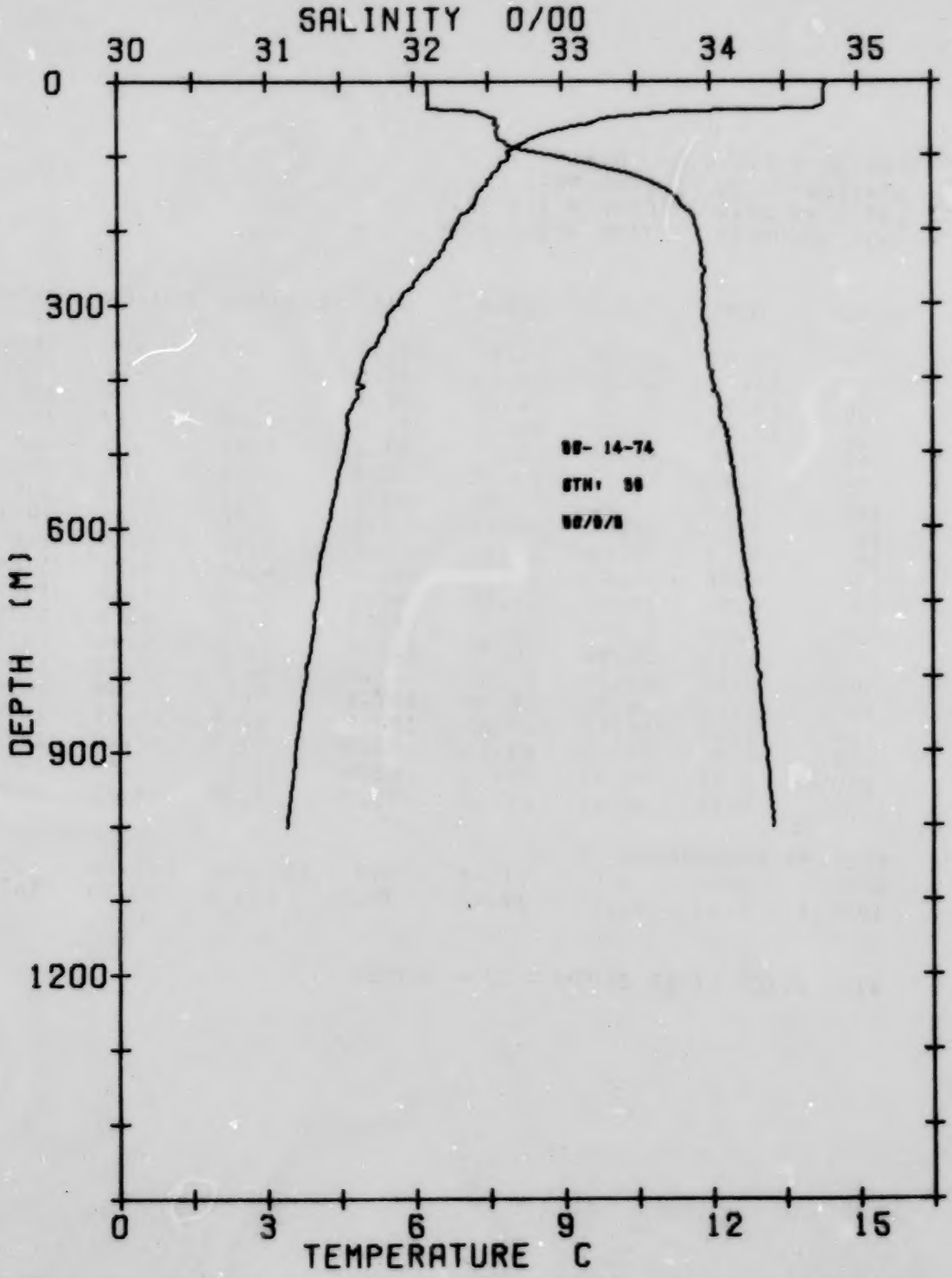
CRUISE : C.O.D.E. 80-14.
STATION: 35 CONS #073
LAT N 49 12.0 LONG W 128 12.5
DATE 80/09/08 TIME (PST) 0834

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.83	32.23	24.11	381.4	.00	.00	1500.2
10	13.82	32.23	24.11	381.5	.38	.02	1500.3
20	13.79	32.22	24.11	382.1	.76	.08	1500.4
30	13.73	32.22	24.12	381.4	1.14	.17	1500.3
50	9.76	32.56	25.11	287.1	1.81	.43	1487.2
75	8.32	32.62	25.38	261.5	2.49	.86	1482.3
100	7.86	32.92	25.68	233.2	3.12	1.40	1481.3
125	7.53	33.47	26.17	187.6	3.65	2.00	1481.2
150	7.19	33.80	26.47	158.9	4.08	2.59	1480.6
175	6.98	33.91	26.59	148.1	4.46	3.21	1480.4
200	6.79	33.96	26.65	142.5	4.83	3.89	1480.1
225	6.40	33.96	26.71	137.7	5.18	4.64	1479.0
250	6.13	33.98	26.75	133.4	5.52	5.44	1478.3
300	5.61	33.98	26.82	127.5	6.17	7.23	1477.0
400	5.12	34.05	26.94	117.1	7.39	11.49	1476.8
500	4.54	34.12	27.05	106.6	8.50	16.51	1476.1
600	4.27	34.20	27.15	98.4	9.53	22.13	1476.7
800	3.81	34.33	27.30	85.4	11.35	34.84	1478.3
1000	3.34	34.42	27.42	74.7	12.95	49.21	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.1	3.33	34.43	27.42	74.0	12.99	49.59	1479.7

WIND MIXED LAYER DEPTH = 33.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

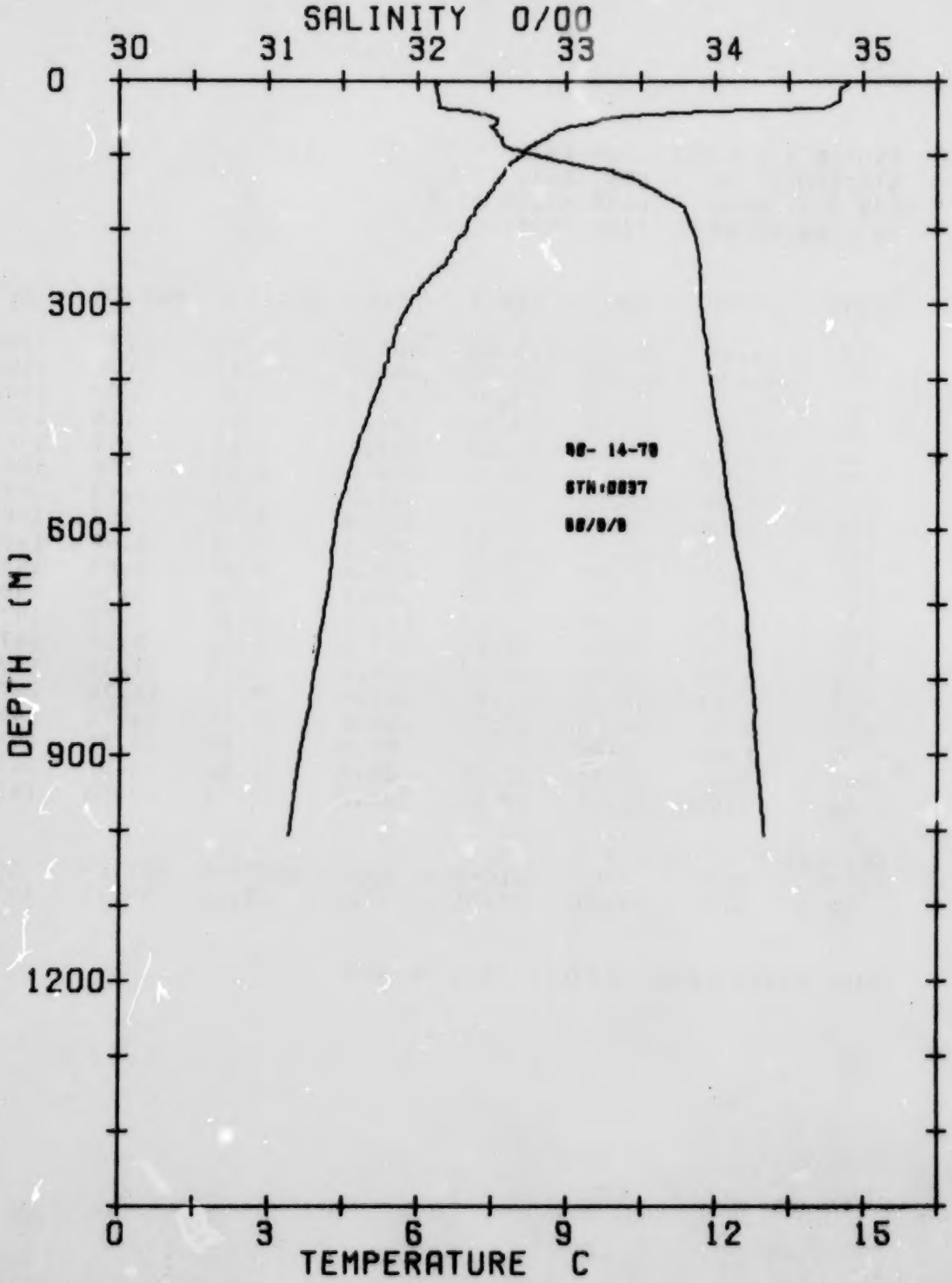
CRUISE : C.O.D.E. 80-14.
STATION: 36 CONS #074
LAT N 49 06.5 LONG W 128 21.0
DATE 80/09/08 TIME (PST) 0957

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.40	32.09	23.88	403.3	.00	.00	1501.9
10	14.34	32.10	23.90	401.8	.40	.02	1501.9
20	14.33	32.10	23.91	401.2	.80	.08	1502.0
30	14.33	32.10	23.91	401.7	1.21	.18	1502.2
50	9.83	32.56	25.10	288.1	1.89	.45	1487.5
75	8.41	32.57	25.33	266.0	2.58	.88	1482.5
100	7.94	32.95	25.70	231.7	3.21	1.43	1481.7
125	7.60	33.49	26.17	187.5	3.74	2.02	1481.4
150	7.32	33.74	26.41	165.3	4.17	2.62	1481.1
175	7.09	33.87	26.54	153.2	4.57	3.27	1480.8
200	6.80	33.92	26.62	145.7	4.95	3.96	1480.1
225	6.60	33.95	26.67	141.5	5.31	4.73	1479.7
250	6.29	33.96	26.72	137.0	5.66	5.56	1478.9
300	5.68	33.96	26.80	129.4	6.32	7.39	1477.3
400	4.89	34.01	26.93	117.4	7.56	11.70	1475.8
500	4.59	34.13	27.06	106.2	8.67	16.71	1476.3
600	4.25	34.20	27.15	97.8	9.69	22.32	1476.6
800	3.81	34.33	27.30	85.4	11.52	35.07	1478.2
1000	3.41	34.41	27.40	76.2	13.13	49.53	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1002.2	3.39	34.41	27.41	75.7	13.15	49.70	1479.9

WIND MIXED LAYER DEPTH = 33.3 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

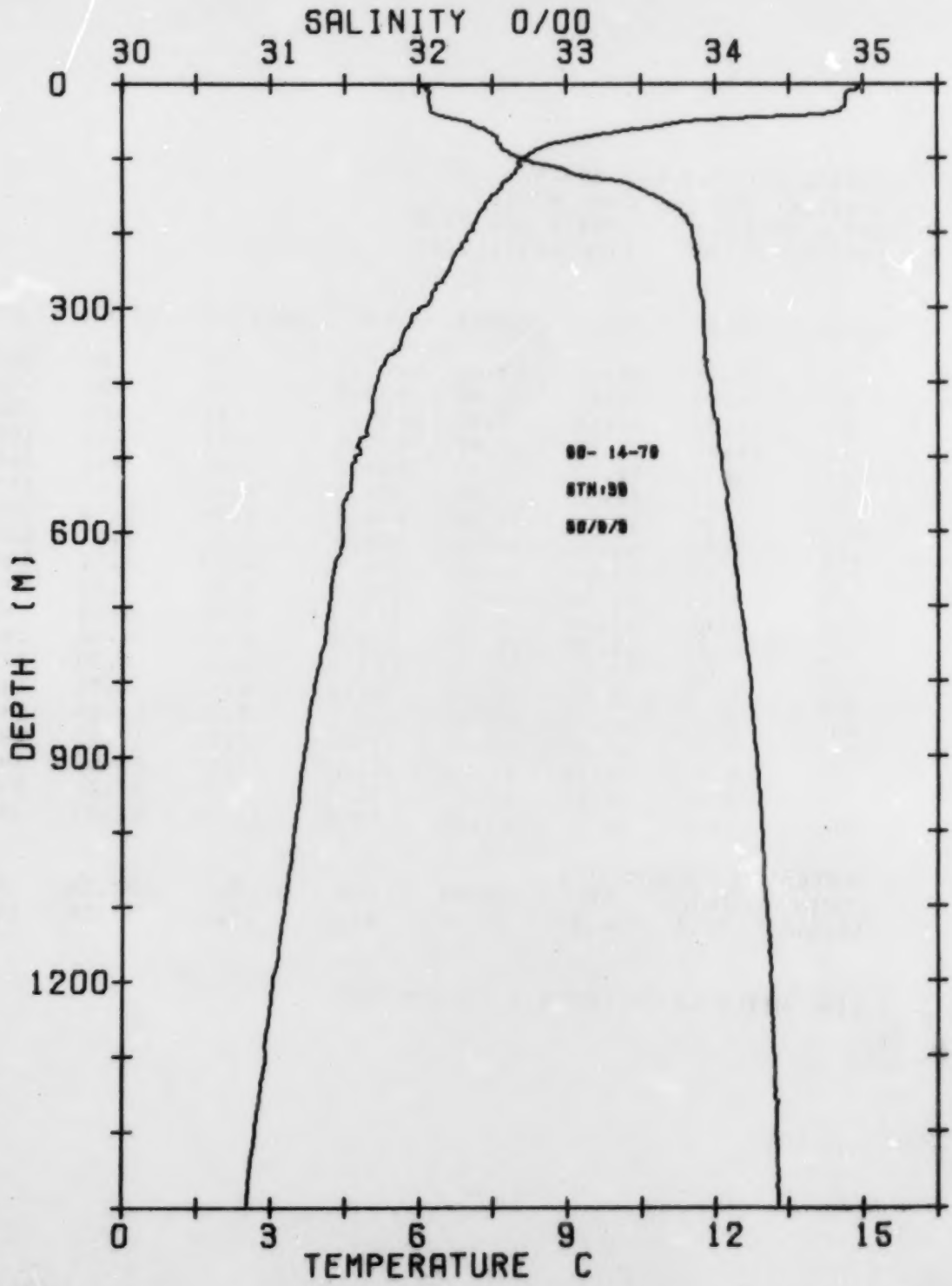
CRUISE : C.O.D.E. 80-14.
STATION: 0037 CONS #078
LAT N 49 12.5 LONG W 128 29.0
DATE 80/09/08 TIME (PST) 1345

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.74	32.12	23.84	407.7	.00	.00	1503.0
10	14.54	32.13	23.88	403.2	.41	.02	1502.6
20	14.51	32.14	23.90	402.4	.81	.08	1502.6
30	14.44	32.15	23.92	400.4	1.21	.18	1502.6
50	9.76	32.53	25.09	289.2	1.90	.45	1487.2
75	8.61	32.56	25.29	270.3	2.60	.89	1483.3
100	8.10	32.81	25.56	244.7	3.25	1.46	1482.1
125	7.74	33.35	26.04	199.8	3.80	2.07	1481.8
150	7.46	33.62	26.29	176.2	4.27	2.71	1481.5
175	7.15	33.80	26.48	158.9	4.68	3.39	1480.9
200	6.98	33.85	26.54	153.3	5.07	4.12	1480.7
225	6.75	33.88	26.59	148.4	5.45	4.92	1480.2
250	6.49	33.90	26.65	143.7	5.81	5.78	1479.7
300	5.84	33.90	26.73	136.0	6.51	7.70	1477.9
400	5.26	33.97	26.85	125.1	7.81	12.24	1477.3
500	4.74	34.05	26.97	114.2	9.01	17.61	1476.8
600	4.36	34.12	27.08	105.0	10.10	23.62	1477.0
800	3.92	34.26	27.23	91.8	12.06	37.30	1478.6
1000	3.45	34.33	27.33	82.5	13.81	52.97	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.0	3.43	34.34	27.34	82.0	13.85	53.38	1480.0

WIND MIXED LAYER DEPTH = 33.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

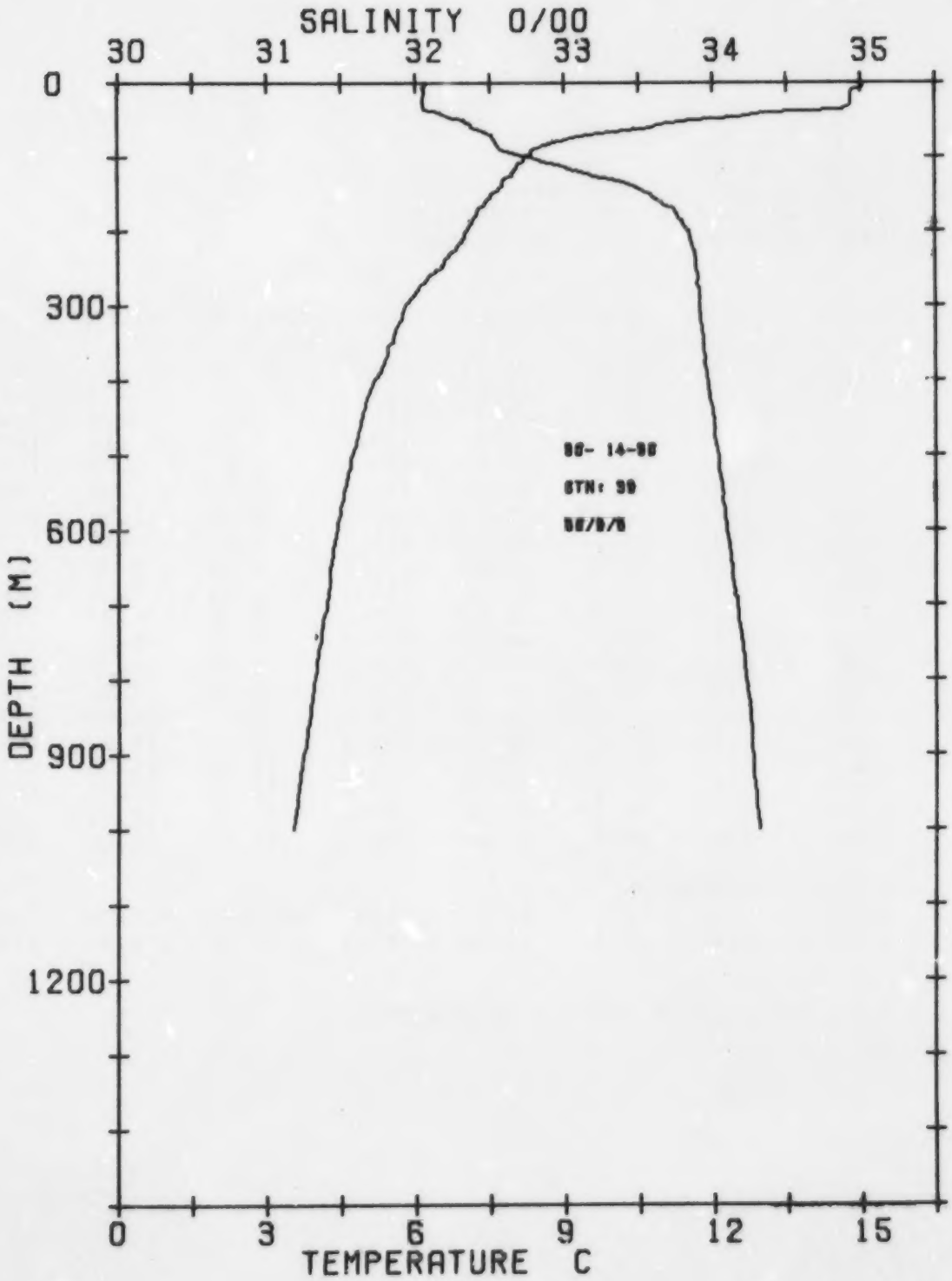
CRUISE : C.O.D.E. 80-14.
STATION: 38 CONS #079
LAT N 49 18.5 LONG W 128 36.5
DATE 80/09/08 TIME (PST) 1511

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.94	32.01	23.71	419.4	.00	.00	1503.5
10	14.71	32.07	23.80	411.3	.42	.02	1503.0
20	14.67	32.07	23.81	410.7	.83	.08	1503.1
30	14.64	32.08	23.82	409.7	1.24	.18	1503.1
50	11.42	32.35	24.66	329.8	2.00	.49	1492.9
75	9.01	32.53	25.21	277.9	2.76	.96	1484.8
100	8.09	32.69	25.48	253.0	3.42	1.54	1481.9
125	7.86	33.17	25.89	214.4	4.01	2.19	1482.1
150	7.51	33.60	26.27	178.7	4.49	2.85	1481.6
175	7.24	33.79	26.46	160.9	4.91	3.54	1481.3
200	7.03	33.85	26.53	154.0	5.30	4.27	1480.9
225	6.79	33.88	26.59	149.2	5.68	5.08	1480.4
250	6.63	33.89	26.62	146.6	6.05	5.95	1480.2
300	6.02	33.92	26.72	136.9	6.76	7.91	1478.6
400	5.16	33.97	26.86	124.2	8.07	12.49	1476.8
500	4.69	34.04	26.97	114.2	9.27	17.87	1476.6
600	4.45	34.11	27.05	107.3	10.38	23.96	1477.4
800	3.93	34.24	27.21	93.6	12.39	37.97	1478.6
1000	3.51	34.32	27.32	84.3	14.16	53.91	1480.2
1200	3.07	34.37	27.40	76.3	15.77	71.56	1481.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1500.2	2.51	34.44	27.50	67.1	17.93	100.60	1484.4

WIND MIXED LAYER DEPTH = 35.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

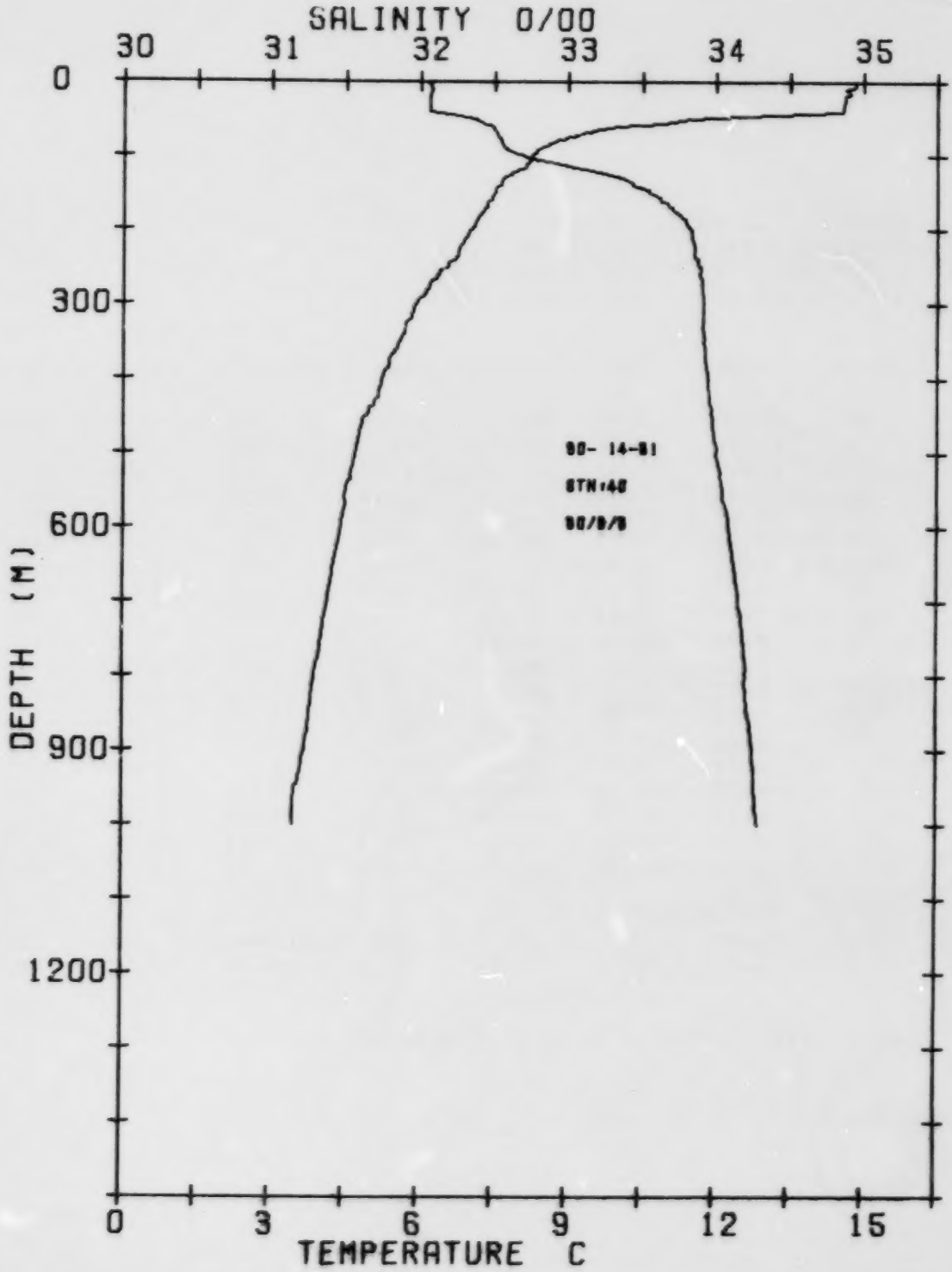
CRUISE : C.O.D.E. 80-14.
STATION: 39 CONS #080
LAT N 49 25.0 LONG W 128 44.5
DATE 80/09/08 TIME (PST) 1713

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	15.06	32.07	23.73	418.1	.00	.00	1504.0
10	14.85	32.06	23.77	414.5	.42	.02	1503.5
20	14.81	32.05	23.77	414.7	.83	.08	1503.5
30	14.80	32.05	23.77	414.8	1.25	.19	1503.6
50	11.61	32.32	24.61	334.9	2.01	.49	1493.5
75	9.03	32.53	25.21	278.2	2.77	.96	1484.8
100	8.23	32.78	25.52	248.4	3.44	1.54	1482.5
125	7.92	33.21	25.90	212.6	4.01	2.19	1482.3
150	7.57	33.57	26.24	181.2	4.50	2.85	1481.9
175	7.25	33.76	26.43	163.3	4.93	3.55	1481.2
200	7.04	33.84	26.52	154.9	5.33	4.30	1480.9
225	6.81	33.88	26.58	149.4	5.71	5.11	1480.5
250	6.51	33.89	26.64	144.7	6.07	5.98	1479.7
300	5.82	33.91	26.74	135.0	6.77	7.89	1477.8
400	5.21	33.97	26.86	124.7	8.07	12.44	1477.0
500	4.75	34.04	26.96	115.1	9.27	17.81	1476.9
600	4.44	34.09	27.04	108.3	10.38	23.95	1477.3
800	3.98	34.22	27.20	95.1	12.41	38.10	1478.8
1000	3.53	34.31	27.31	84.8	14.21	54.27	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.0	3.53	34.31	27.31	84.8	14.21	54.27	1480.3

WIND MIXED LAYER DEPTH = 28.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

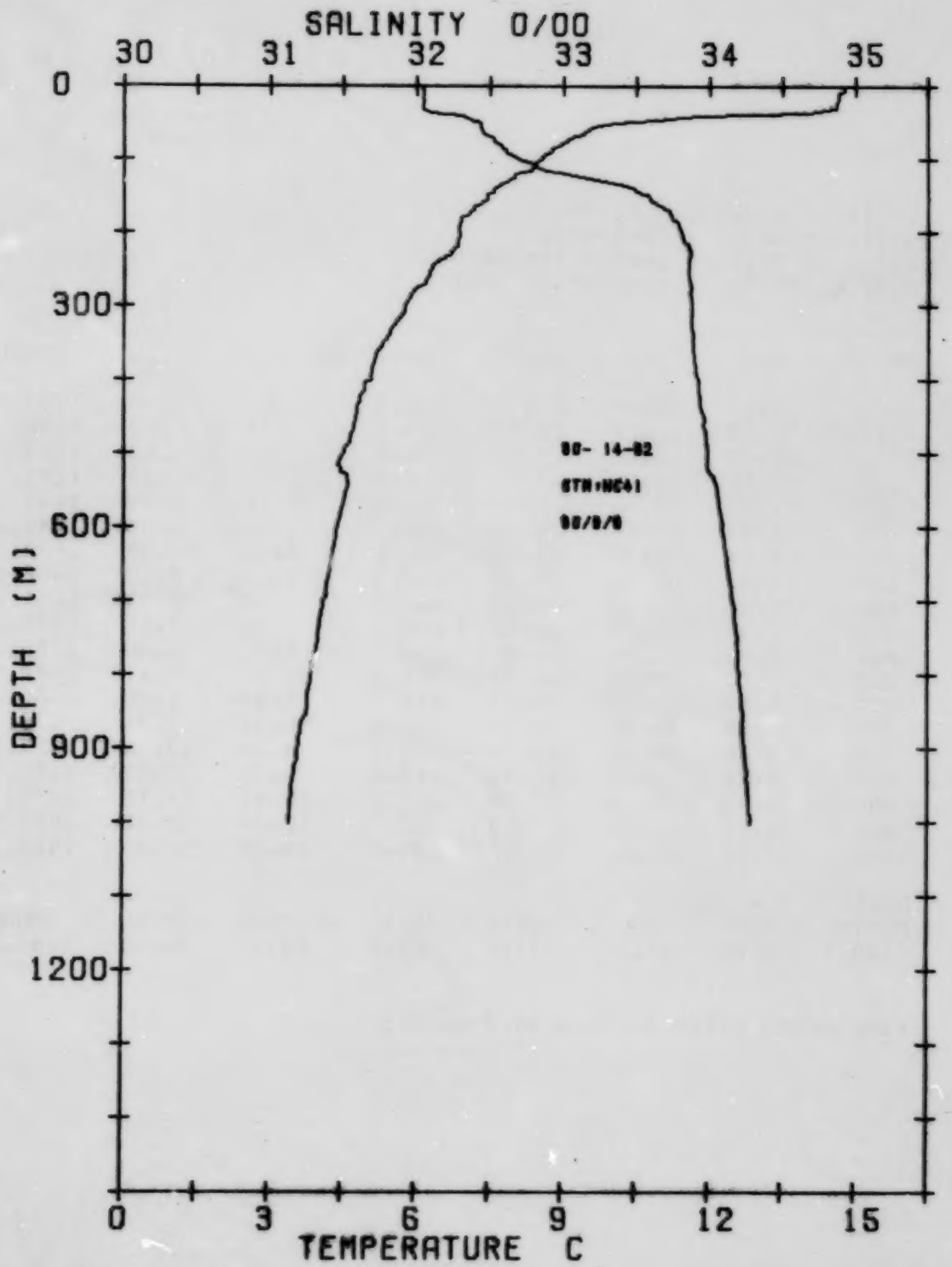
CRUISE : C.O.D.E. 80-14.
STATION: 40 CONS #081
LAT N 49 31.5 LONG W 128 52.5
DATE 80/09/08 TIME (PST) 1841

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.83	32.08	23.78	412.7	.00	.00	1503.3
10	14.65	32.08	23.82	409.1	.41	.02	1502.8
20	14.64	32.06	23.81	410.8	.82	.08	1503.0
30	14.62	32.06	23.81	410.7	1.23	.18	1503.1
50	11.52	32.36	24.66	330.4	2.01	.49	1493.3
75	8.97	32.54	25.22	276.7	2.75	.95	1484.6
100	8.29	32.70	25.45	255.6	3.42	1.54	1482.7
125	7.83	33.28	25.98	205.9	4.00	2.19	1482.0
150	7.52	33.55	26.23	182.0	4.48	2.84	1481.6
175	7.30	33.73	26.40	166.1	4.91	3.55	1481.4
200	7.04	33.84	26.52	155.2	5.31	4.30	1480.9
225	6.81	33.86	26.57	150.5	5.70	5.11	1480.5
250	6.57	33.90	26.63	145.1	6.07	5.99	1480.0
300	5.94	33.92	26.73	135.9	6.77	7.91	1478.3
400	5.26	33.95	26.84	126.5	8.08	12.52	1477.2
500	4.72	34.00	26.94	117.2	9.30	17.97	1476.7
600	4.43	34.09	27.04	108.2	10.42	24.13	1477.3
800	3.90	34.21	27.19	95.4	12.44	38.22	1478.4
1000	3.47	34.30	27.31	85.0	14.24	54.43	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.48	34.30	27.31	85.0	14.25	54.44	1480.1

WIND MIXED LAYER DEPTH = 36.8 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

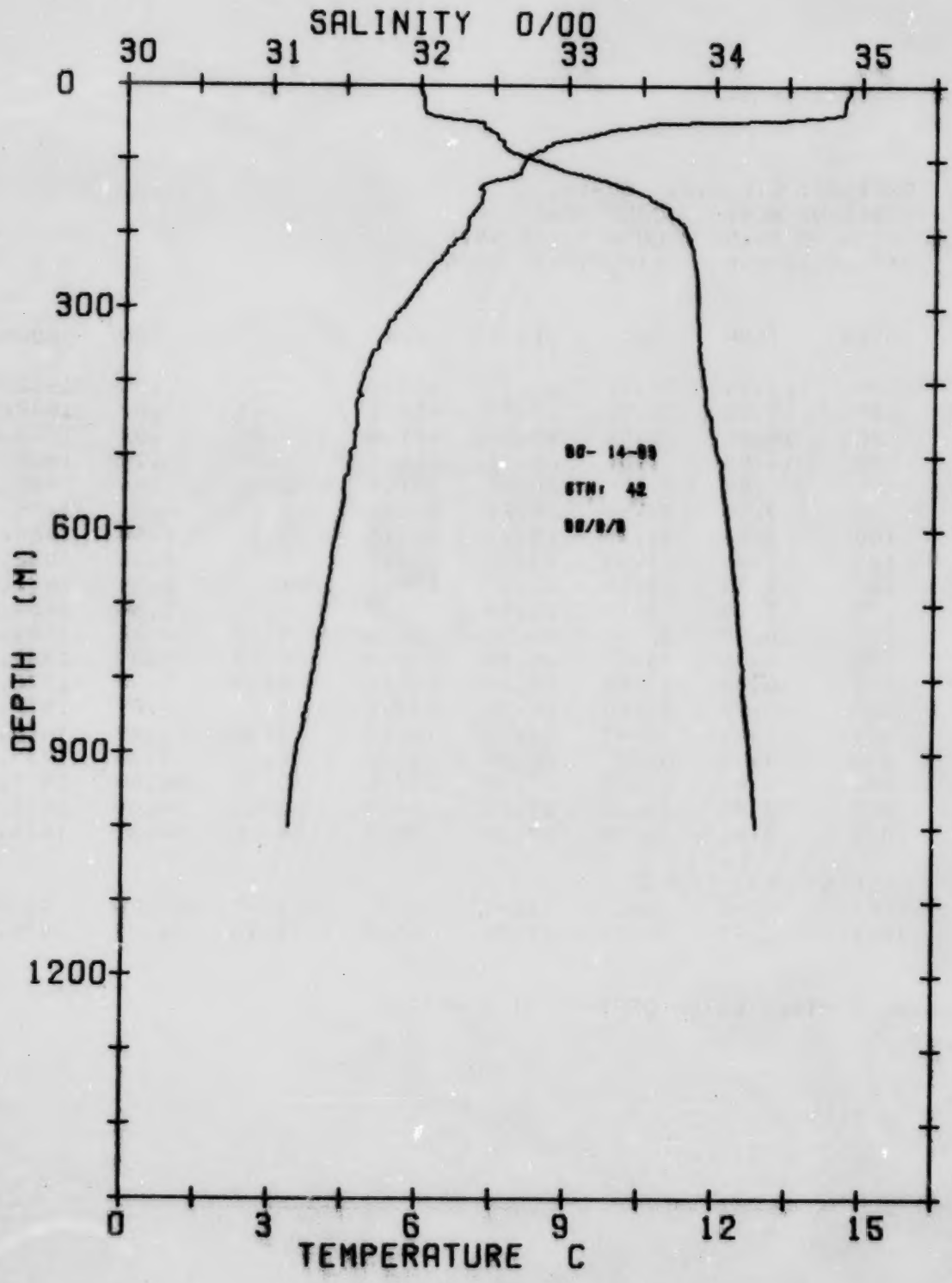
CRUISE : C.O.D.E. 80-14.
STATION: WC41 CONS #082
LAT N 49 36.5 LONG W 128 44.5
DATE 80/09/08 TIME (PST) 2006

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.74	32.04	23.77	413.4	.00	.00	1502.9
10	14.69	32.05	23.79	412.1	.41	.02	1502.9
20	14.65	32.05	23.80	411.9	.83	.08	1503.0
30	14.58	32.04	23.81	411.1	1.24	.19	1502.9
50	10.08	32.44	24.96	301.0	1.94	.46	1488.2
75	9.06	32.54	25.21	278.1	2.67	.91	1485.0
100	8.56	32.70	25.41	259.3	3.34	1.50	1483.7
125	7.98	33.18	25.87	215.7	3.94	2.18	1482.5
150	7.45	33.59	26.27	178.2	4.43	2.84	1481.4
175	7.08	33.74	26.44	162.7	4.85	3.54	1480.6
200	6.90	33.80	26.52	155.5	5.25	4.28	1480.3
225	6.76	33.87	26.58	149.3	5.63	5.09	1480.3
250	6.32	33.86	26.64	144.4	6.00	5.96	1478.9
300	5.80	33.88	26.71	137.4	6.70	7.89	1477.7
400	5.06	33.93	26.84	125.7	8.02	12.49	1476.3
500	4.53	33.99	26.95	116.2	9.22	17.91	1475.9
600	4.40	34.09	27.05	107.6	10.34	24.06	1477.1
800	3.87	34.21	27.20	94.9	12.35	38.09	1478.3
1000	3.41	34.29	27.30	85.3	14.15	54.21	1479.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1001.0	3.41	34.29	27.30	85.3	14.16	54.29	1479.8

WIND MIXED LAYER DEPTH = 31.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

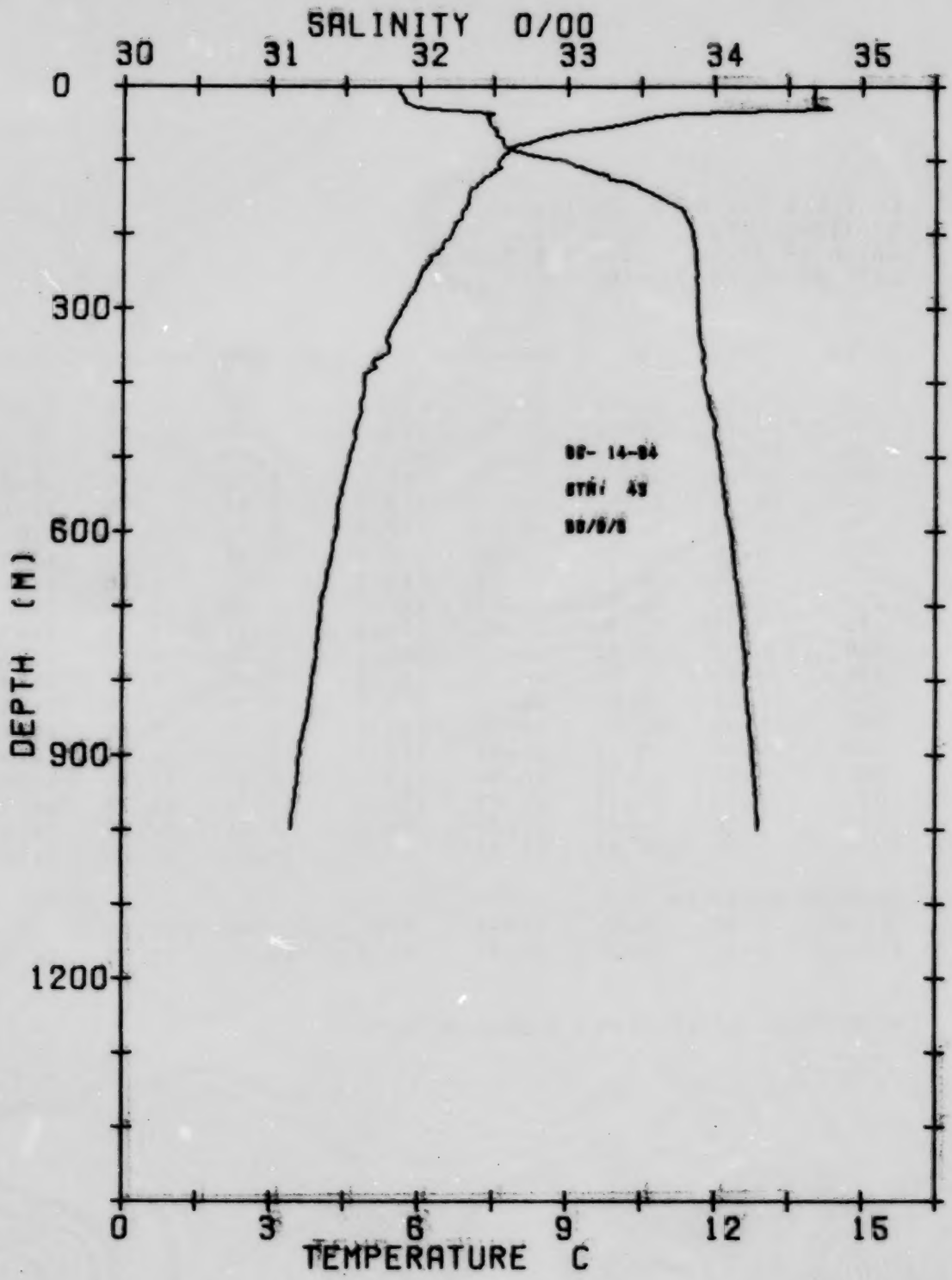
CRUISE : C.O.D.E. 80-14.
STATION: 42 CONS #083
LAT N 49 42.0 LONG W 128 36.5
DATE 80/09/08 TIME (PST) 2128

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.75	31.98	23.73	418.0	.00	.00	1502.9
10	14.76	32.01	23.75	416.3	.42	.02	1503.1
20	14.67	32.02	23.77	414.5	.83	.08	1503.0
30	14.64	32.02	23.78	413.6	1.25	.19	1503.1
50	11.03	32.42	24.79	318.1	2.03	.49	1491.6
75	8.77	32.56	25.27	272.3	2.76	.95	1483.9
100	8.15	32.76	25.52	248.6	3.42	1.53	1482.2
125	7.75	33.20	25.92	210.9	4.00	2.18	1481.7
150	7.25	33.55	26.27	178.6	4.48	2.84	1480.6
175	7.05	33.70	26.41	165.1	4.91	3.53	1480.4
200	6.91	33.81	26.52	155.1	5.30	4.27	1480.4
225	6.53	33.85	26.60	147.6	5.68	5.07	1479.3
250	6.22	33.87	26.66	142.4	6.04	5.94	1478.5
300	5.66	33.88	26.74	135.4	6.74	7.84	1477.1
400	4.86	33.93	26.87	123.3	8.03	12.35	1475.5
500	4.61	34.03	26.98	113.8	9.22	17.70	1476.3
600	4.36	34.11	27.07	106.0	10.32	23.73	1477.0
800	3.86	34.21	27.20	94.6	12.32	37.69	1478.3
1000	3.38	34.30	27.32	83.8	14.09	53.65	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.0	3.38	34.30	27.32	83.8	14.09	53.65	1479.7

WIND MIXED LAYER DEPTH = 39.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

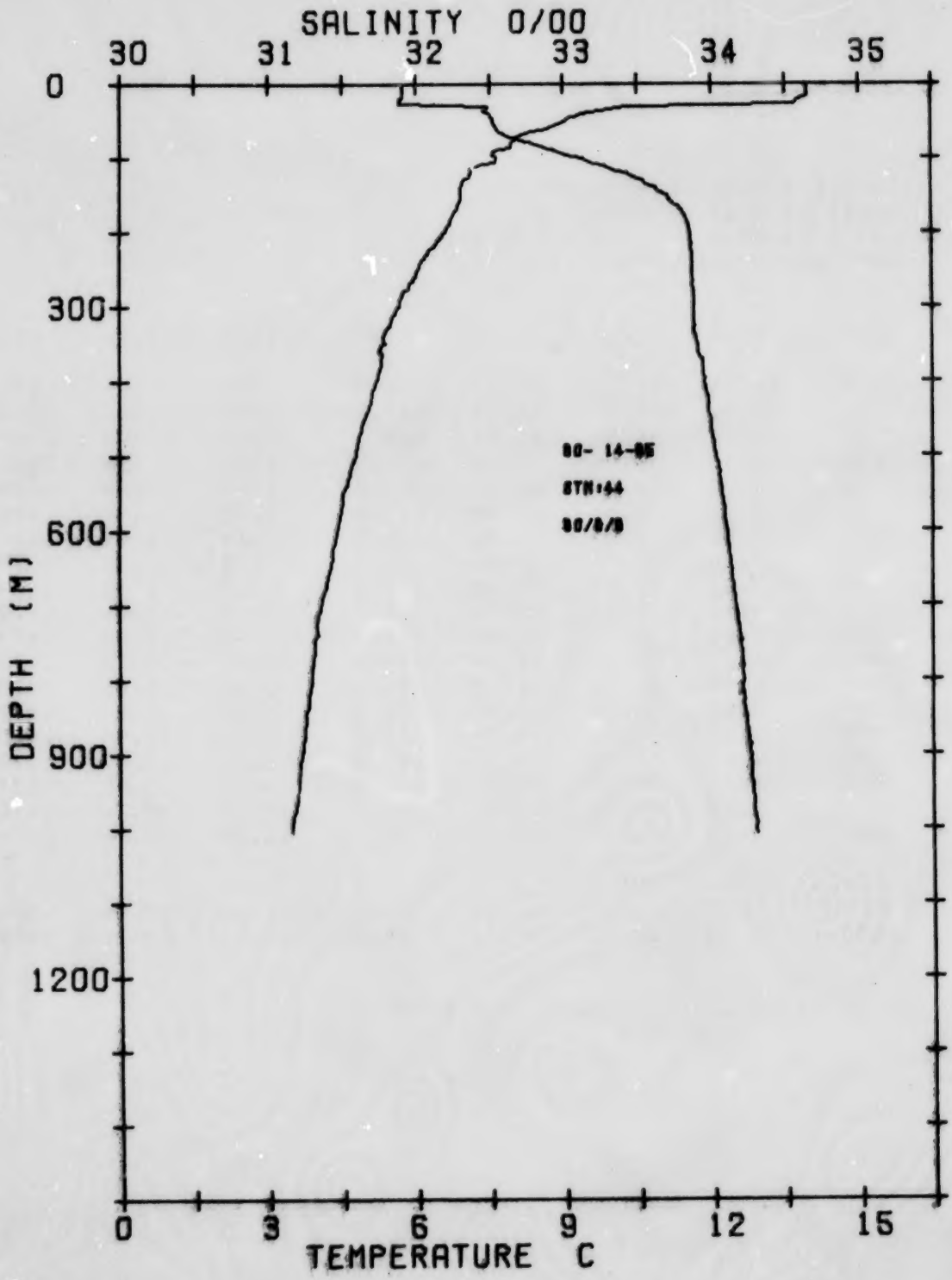
CRUISE : C.O.D.E. 80-14.
STATION: 43 CONS #084
LAT N 49 47.0 LONG W 128 28.5
DATE 80/09/08 TIME (PST) 2235

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	14.03	31.86	23.78	412.7	.00	.00	1500.4
10	14.04	31.88	23.79	411.8	.41	.02	1500.6
20	14.00	31.90	23.82	409.5	.82	.08	1500.7
30	14.36	32.06	23.87	405.0	1.23	.18	1502.2
50	10.22	32.47	24.97	300.6	1.87	.44	1488.8
75	8.21	32.56	25.35	264.6	2.57	.87	1481.8
100	7.62	32.99	25.78	224.2	3.19	1.41	1480.5
125	7.28	33.29	26.06	197.5	3.72	2.01	1479.9
150	7.03	33.62	26.35	170.4	4.17	2.63	1479.8
175	6.87	33.80	26.52	155.2	4.58	3.28	1479.8
200	6.66	33.85	26.58	148.9	4.95	3.99	1479.4
225	6.35	33.87	26.64	144.1	5.32	4.77	1478.6
250	6.07	33.88	26.68	140.1	5.68	5.61	1478.0
300	5.67	33.88	26.74	135.3	6.36	7.50	1477.2
400	4.88	33.93	26.86	123.7	7.66	12.04	1475.6
500	4.62	34.03	26.98	113.8	8.85	17.37	1476.3
600	4.36	34.11	27.07	106.0	9.95	23.40	1477.0
800	3.87	34.21	27.20	94.5	11.93	37.26	1478.3
1000	3.43	34.30	27.31	84.3	13.72	53.28	1479.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.43	34.30	27.31	84.3	13.72	53.28	1479.9

WIND MIXED LAYER DEPTH = 30.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
STN:44
0
3
6
9
12
15
TEMPERATURE C

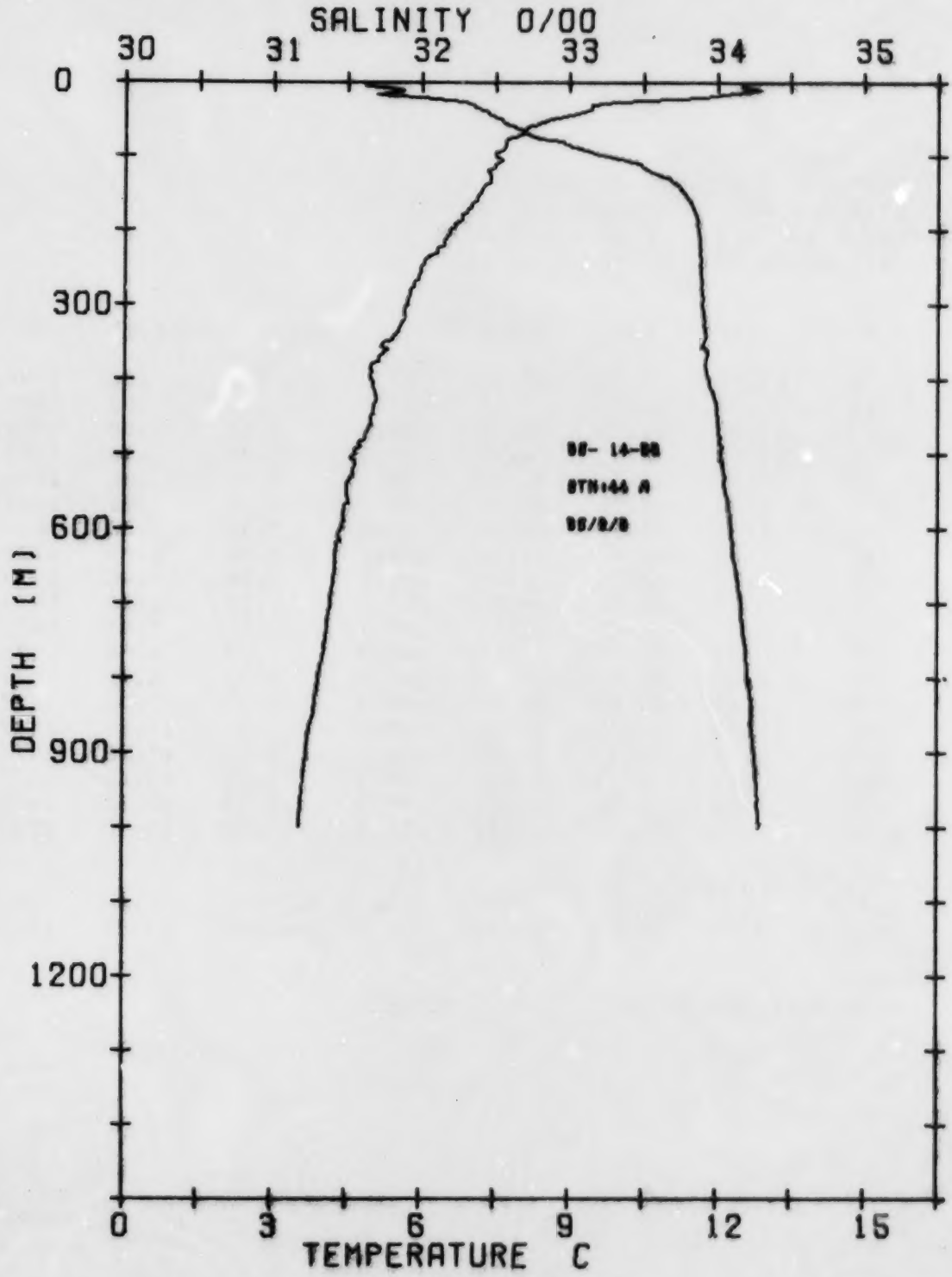
CRUISE : C.O.D.E. 80-14.
STATION: 44 CONS #085
LAT N 49 51.5 LONG W 128 20.5
DATE 80/09/08 TIME (PST) 2350

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.96	31.91	23.83	407.8	.00	.00	1500.2
10	13.96	31.91	23.83	407.9	.41	.02	1500.4
20	13.80	31.89	23.85	406.5	.82	.08	1500.0
30	10.34	32.49	24.96	300.6	1.20	.18	1488.9
50	9.05	32.52	25.20	278.8	1.77	.40	1484.5
75	8.02	32.72	25.50	250.0	2.44	.82	1481.3
100	7.65	33.13	25.88	214.6	3.02	1.32	1480.8
125	7.09	33.49	26.25	180.1	3.51	1.88	1479.5
150	6.92	33.70	26.43	162.8	3.94	2.46	1479.5
175	6.79	33.82	26.54	152.7	4.33	3.10	1479.5
200	6.60	33.86	26.60	147.7	4.71	3.81	1479.2
225	6.27	33.87	26.65	143.2	5.07	4.58	1478.3
250	6.06	33.87	26.68	140.4	5.42	5.42	1477.9
300	5.67	33.88	26.73	135.4	6.11	7.31	1477.1
400	5.23	33.95	26.84	125.9	7.42	11.86	1477.1
500	4.79	34.03	26.95	116.2	8.62	17.28	1477.0
600	4.42	34.11	27.06	106.8	9.73	23.38	1477.2
800	3.89	34.22	27.20	94.5	11.73	37.31	1478.4
1000	3.48	34.30	27.31	84.8	13.52	53.43	1480.1

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1005.1	3.48	34.31	27.31	84.8	13.57	53.87	1480.2

WIND MIXED LAYER DEPTH = 24.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

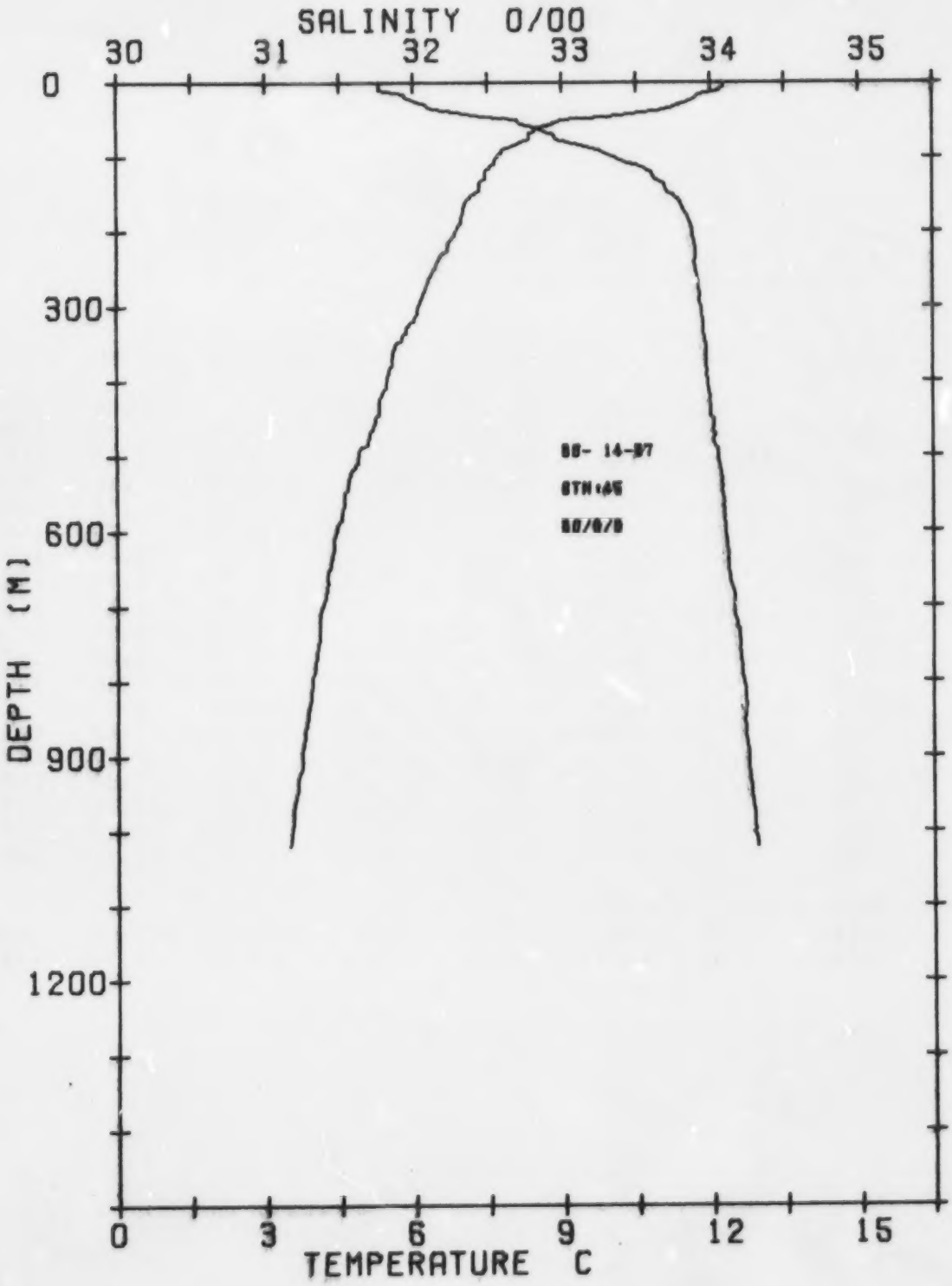
CRUISE : C.O.D.E. 80-14.
STATION: 44 A CONS #086
LAT N 49 54.3 LONG W 128 16.5
DATE 80/09/09 TIME (PST) 0052

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.55	31.64	23.90	401.3	.00	.00	1495.1
10	12.88	31.88	24.02	389.9	.40	.02	1496.7
20	11.75	31.98	24.31	362.6	.78	.08	1493.1
30	9.46	32.35	25.00	297.1	1.10	.16	1485.5
50	8.66	32.54	25.27	271.6	1.67	.38	1483.0
75	7.78	32.80	25.60	240.4	2.31	.78	1480.4
100	7.50	33.26	26.01	202.6	2.86	1.26	1480.4
125	7.39	33.62	26.30	175.0	3.33	1.79	1480.8
150	7.19	33.78	26.45	160.7	3.75	2.36	1480.6
175	6.91	33.85	26.55	151.6	4.14	2.99	1480.0
200	6.61	33.87	26.61	146.6	4.51	3.69	1479.3
225	6.33	33.89	26.66	142.4	4.87	4.46	1478.6
250	6.01	33.89	26.70	138.4	5.22	5.29	1477.7
300	5.73	33.90	26.75	134.5	5.90	7.17	1477.4
400	4.97	33.95	26.87	123.2	7.20	11.67	1476.0
500	4.68	34.03	26.97	114.5	8.39	17.04	1476.6
600	4.40	34.10	27.06	106.9	9.50	23.14	1477.1
800	3.96	34.21	27.19	95.6	11.52	37.27	1478.7
1000	3.56	34.29	27.29	86.6	13.33	53.52	1480.4

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.0	3.56	34.29	27.29	86.6	13.33	53.52	1480.4

WIND MIXED LAYER DEPTH = 14.4 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

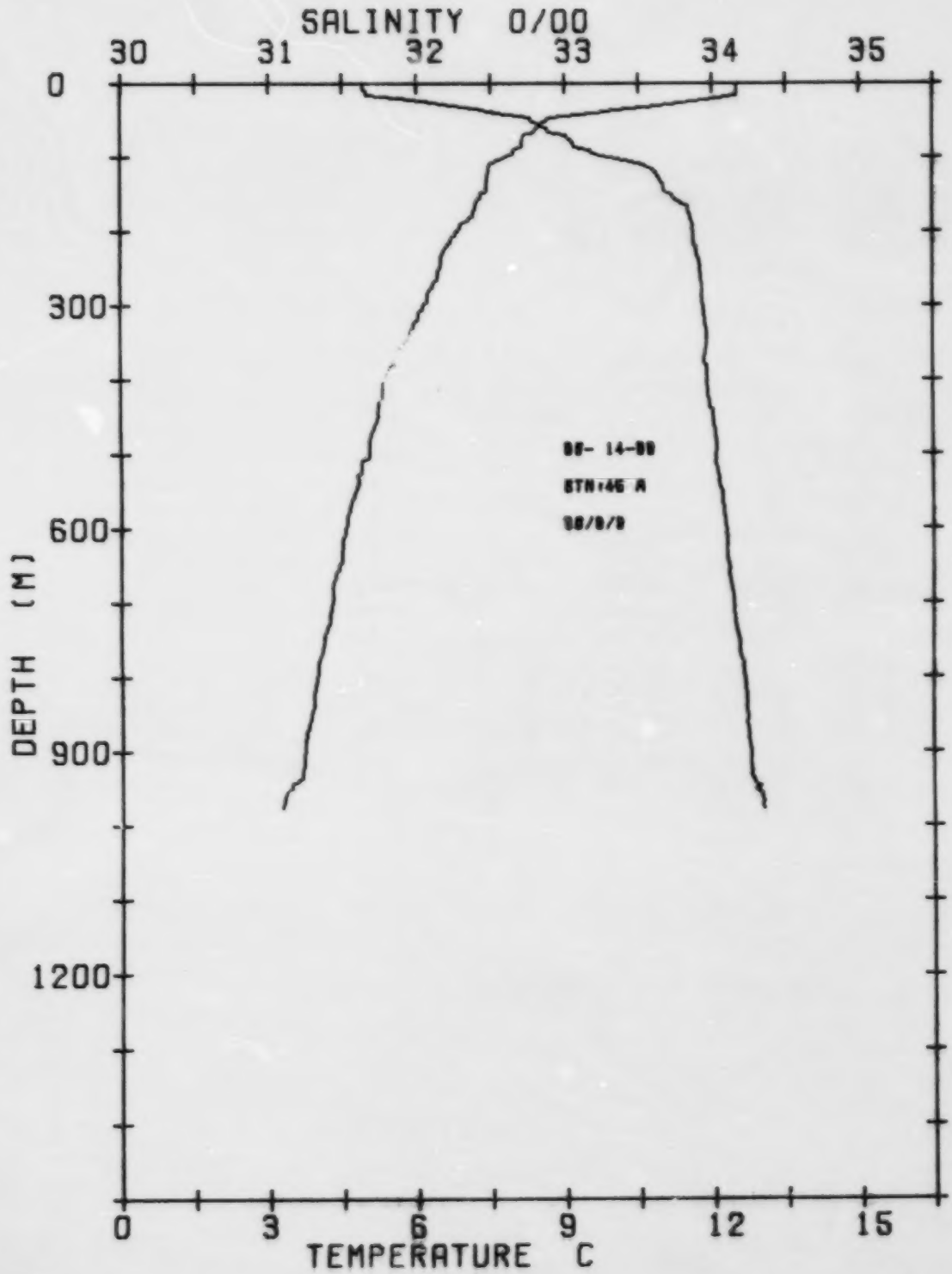
CRUISE : C.O.D.E. 80-14.
STATION: 45 CONS #087
LAT N 49 57.0 LONG W 128 12.5
DATE 80/09/09 TIME (PST) 0154

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.28	31.77	24.05	386.7	.00	.00	1494.4
10	12.21	31.77	24.07	385.3	.39	.02	1494.3
20	11.74	31.95	24.30	364.0	.76	.07	1493.1
30	11.38	32.09	24.47	348.2	1.11	.16	1492.1
50	8.99	32.70	25.34	265.1	1.74	.41	1484.5
75	8.33	32.97	25.65	235.6	2.36	.80	1482.7
100	7.70	33.36	26.06	197.9	2.90	1.27	1481.3
125	7.47	33.61	26.29	176.2	3.36	1.78	1481.1
150	7.22	33.75	26.43	163.1	3.79	2.37	1480.7
175	7.01	33.84	26.53	154.3	4.18	3.01	1480.4
200	6.87	33.88	26.58	149.3	4.56	3.72	1480.3
225	6.69	33.90	26.62	146.1	4.93	4.50	1480.1
250	6.45	33.90	26.65	143.2	5.29	5.36	1479.5
300	6.12	33.94	26.72	136.9	5.99	7.28	1479.0
400	5.48	33.98	26.84	126.7	7.30	11.86	1478.1
500	4.93	34.05	26.95	116.5	8.52	17.35	1477.6
600	4.47	34.10	27.05	107.8	9.64	23.48	1477.4
800	3.97	34.22	27.19	95.1	11.66	37.61	1478.8
1000	3.54	34.29	27.30	86.3	13.48	53.95	1480.3

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1020.1	3.49	34.31	27.31	84.8	13.65	55.68	1480.5

WIND MIXED LAYER DEPTH = 15.5 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

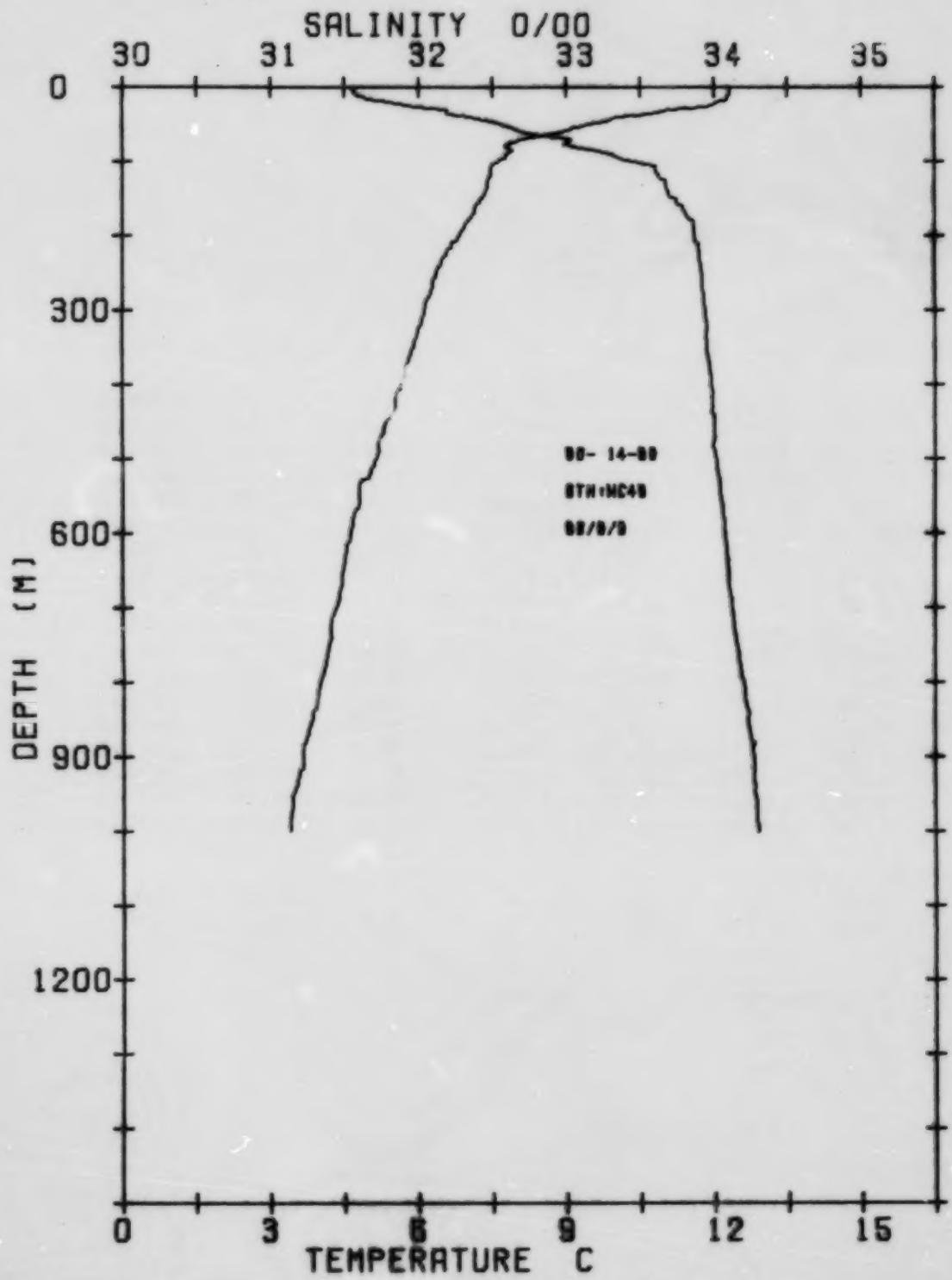
CRUISE : C.O.D.E. 80-14.
STATION: 45 A CONS #088
LAT N 49 59.1 LONG W 128 08.5
DATE 80/09/09 TIME (PST) 0303

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.50	31.64	23.92	399.9	.00	.00	1495.0
10	12.51	31.66	23.93	398.9	.40	.02	1495.2
20	12.13	31.88	24.17	376.5	.79	.08	1494.3
30	10.93	32.25	24.67	328.4	1.14	.17	1490.7
50	8.65	32.78	25.46	253.8	1.71	.39	1483.3
75	8.17	33.03	25.73	228.3	2.31	.76	1482.2
100	7.80	33.31	26.00	203.2	2.86	1.24	1481.6
125	7.45	33.64	26.31	174.4	3.32	1.75	1481.1
150	7.31	33.73	26.40	166.1	3.74	2.34	1481.0
175	7.17	33.85	26.51	155.7	4.14	2.99	1481.0
200	6.84	33.87	26.57	150.1	4.53	3.71	1480.2
225	6.57	33.89	26.63	144.9	4.90	4.49	1479.5
250	6.49	33.91	26.65	143.0	5.25	5.35	1479.7
300	6.17	33.94	26.72	137.4	5.95	7.27	1479.2
400	5.36	33.96	26.84	126.8	7.27	11.88	1477.6
500	5.06	34.02	26.92	119.7	8.50	17.39	1478.1
600	4.60	34.10	27.03	109.9	9.64	23.66	1477.9
800	3.99	34.22	27.19	95.6	11.71	38.12	1478.8

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
975.6	3.28	34.35	27.37	79.0	13.29	52.11	1478.9

WIND MIXED LAYER DEPTH = 16.9 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

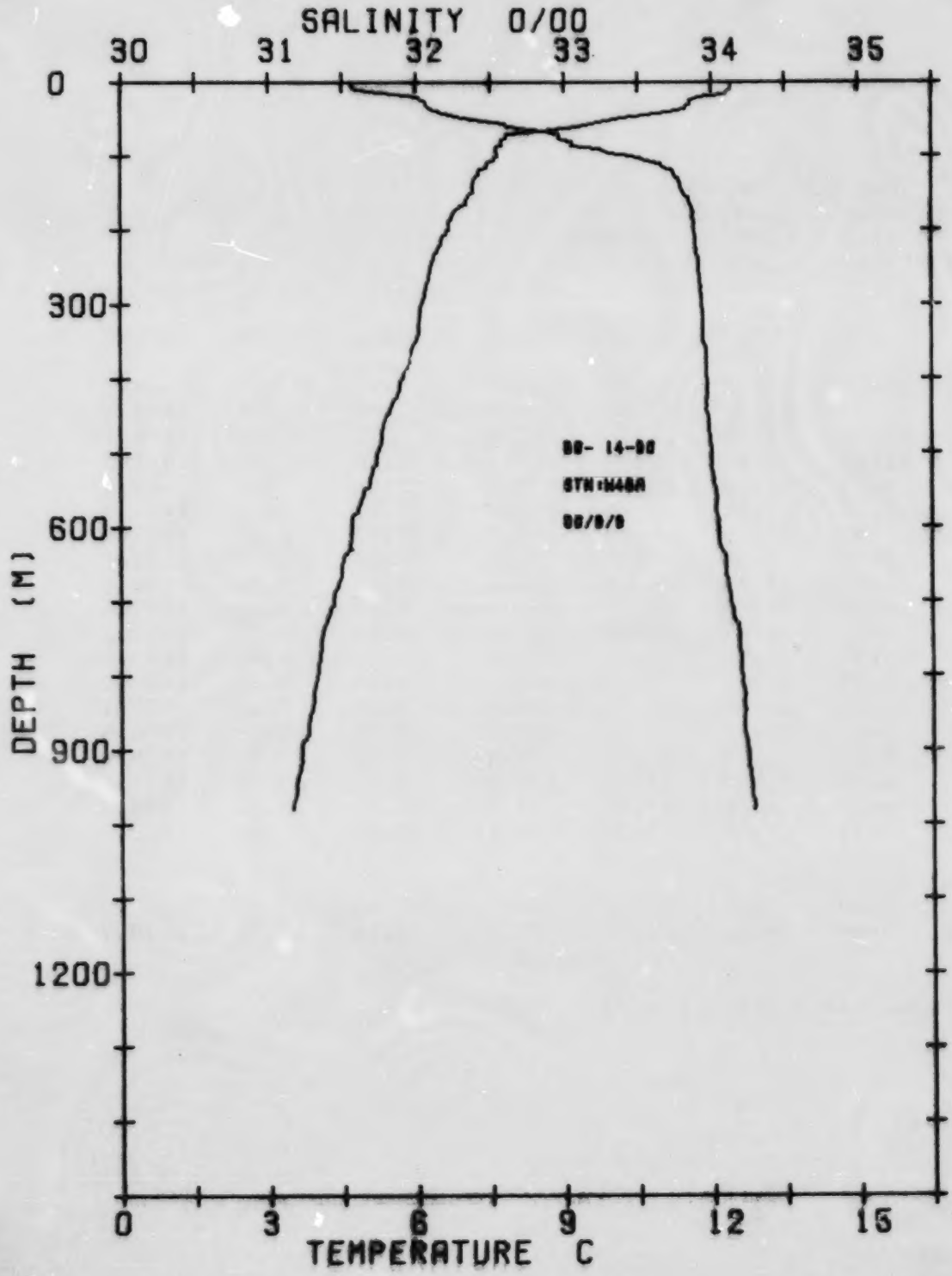
CRUISE : C.O.D.E. 80-14.
STATION: WC46 CONS #089
LAT N 50 01.5 LONG W 128 05.5
DATE 80/09/09 TIME (PST) 0405

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.34	31.55	23.87	404.0	.00	.00	1494.3
10	12.33	31.59	23.91	400.7	.40	.02	1494.5
20	12.09	31.81	24.12	380.8	.80	.08	1494.1
30	11.12	32.19	24.59	336.2	1.16	.17	1491.3
50	9.49	32.56	25.16	282.5	1.78	.41	1486.2
75	7.85	33.00	25.75	226.8	2.41	.81	1481.0
100	7.63	33.46	26.14	189.7	2.93	1.26	1481.1
125	7.43	33.66	26.33	171.9	3.37	1.76	1481.0
150	7.28	33.74	26.41	164.8	3.80	2.34	1480.9
175	7.07	33.83	26.51	155.5	4.20	2.99	1480.6
200	6.85	33.87	26.57	150.2	4.58	3.70	1480.2
225	6.57	33.90	26.64	144.4	4.94	4.48	1479.6
250	6.37	33.92	26.67	140.9	5.30	5.33	1479.2
300	6.13	33.94	26.72	136.9	5.99	7.24	1479.1
400	5.66	33.98	26.82	128.9	7.33	11.89	1478.9
500	5.17	34.02	26.90	121.5	8.58	17.52	1478.6
600	4.64	34.08	27.01	111.9	9.74	23.88	1478.1
800	4.02	34.20	27.17	97.1	11.84	38.60	1479.0
1000	3.38	34.30	27.31	84.2	13.64	54.69	1479.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.38	34.30	27.31	84.2	13.64	54.70	1479.7

WIND MIXED LAYER DEPTH = 15.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

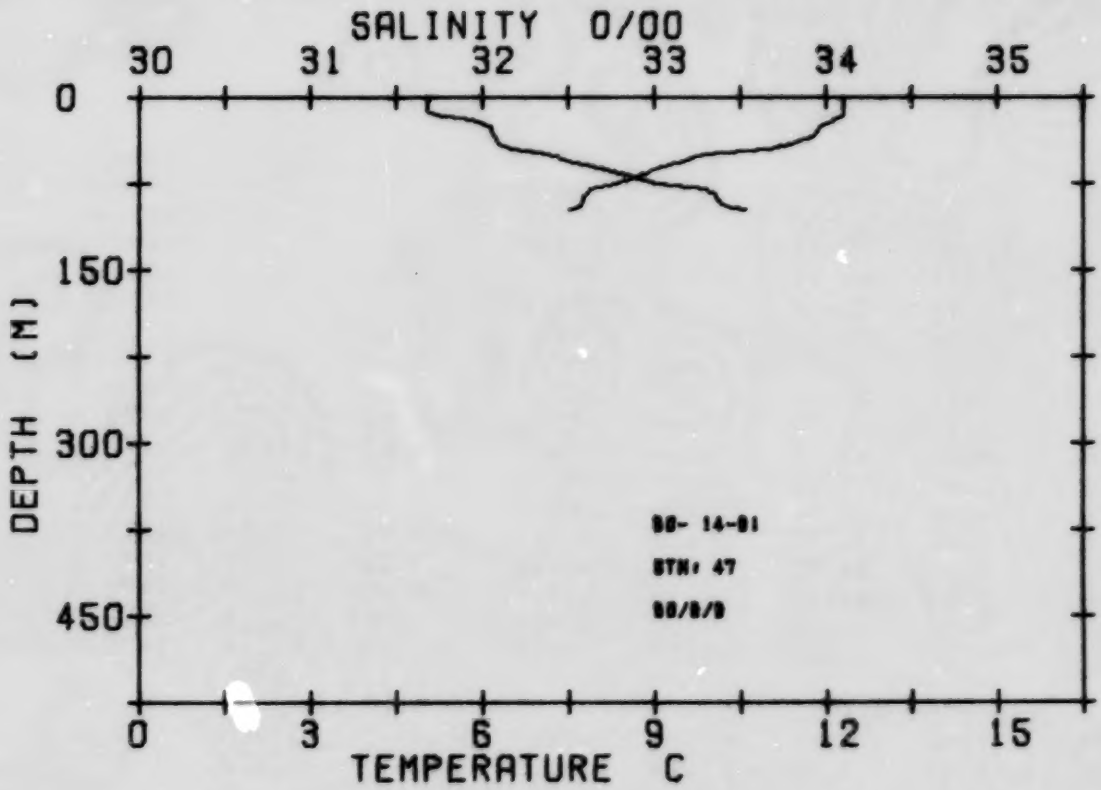
CRUISE : C.O.D.E. 80-14.
STATION: W46A CONS #090
LAT N 50 03.8 LONG W 128 02.0
DATE 80/09/09 TIME (PST) 0509

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.38	31.56	23.88	403.5	.00	.00	1494.5
10	12.39	31.60	23.90	401.3	.40	.02	1494.7
20	11.70	32.02	24.36	358.3	.78	.08	1493.0
30	11.54	32.07	24.43	352.0	1.14	.17	1492.7
50	10.07	32.38	24.92	305.1	1.81	.43	1488.1
75	7.81	32.97	25.74	227.8	2.46	.83	1480.8
100	7.64	33.46	26.14	189.7	2.98	1.29	1481.1
125	7.25	33.75	26.42	163.1	3.42	1.78	1480.4
150	7.13	33.81	26.49	157.3	3.82	2.33	1480.4
175	6.78	33.88	26.59	148.4	4.20	2.95	1479.6
200	6.66	33.88	26.61	146.6	4.57	3.64	1479.5
225	6.44	33.90	26.65	143.0	4.93	4.41	1479.1
250	6.31	33.91	26.68	140.5	5.28	5.25	1479.0
300	6.12	33.93	26.72	137.1	5.98	7.16	1479.1
400	5.74	33.97	26.79	131.1	7.32	11.87	1479.2
500	5.23	34.00	26.88	123.7	8.60	17.59	1478.8
600	4.70	34.05	26.98	114.8	9.79	24.14	1478.3
800	4.00	34.21	27.18	96.4	11.88	38.72	1478.9

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
980.1	3.47	34.28	27.29	86.2	13.53	53.38	1479.7

WIND MIXED LAYER DEPTH = 15.5 METRES


SALINITY 0/00
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31
32
33
34
35
0
150
300
450
DEPTH (M)
80- 14-01
STN: 47
80/8/9
0
3
6
9
12
15
TEMPERATURE C

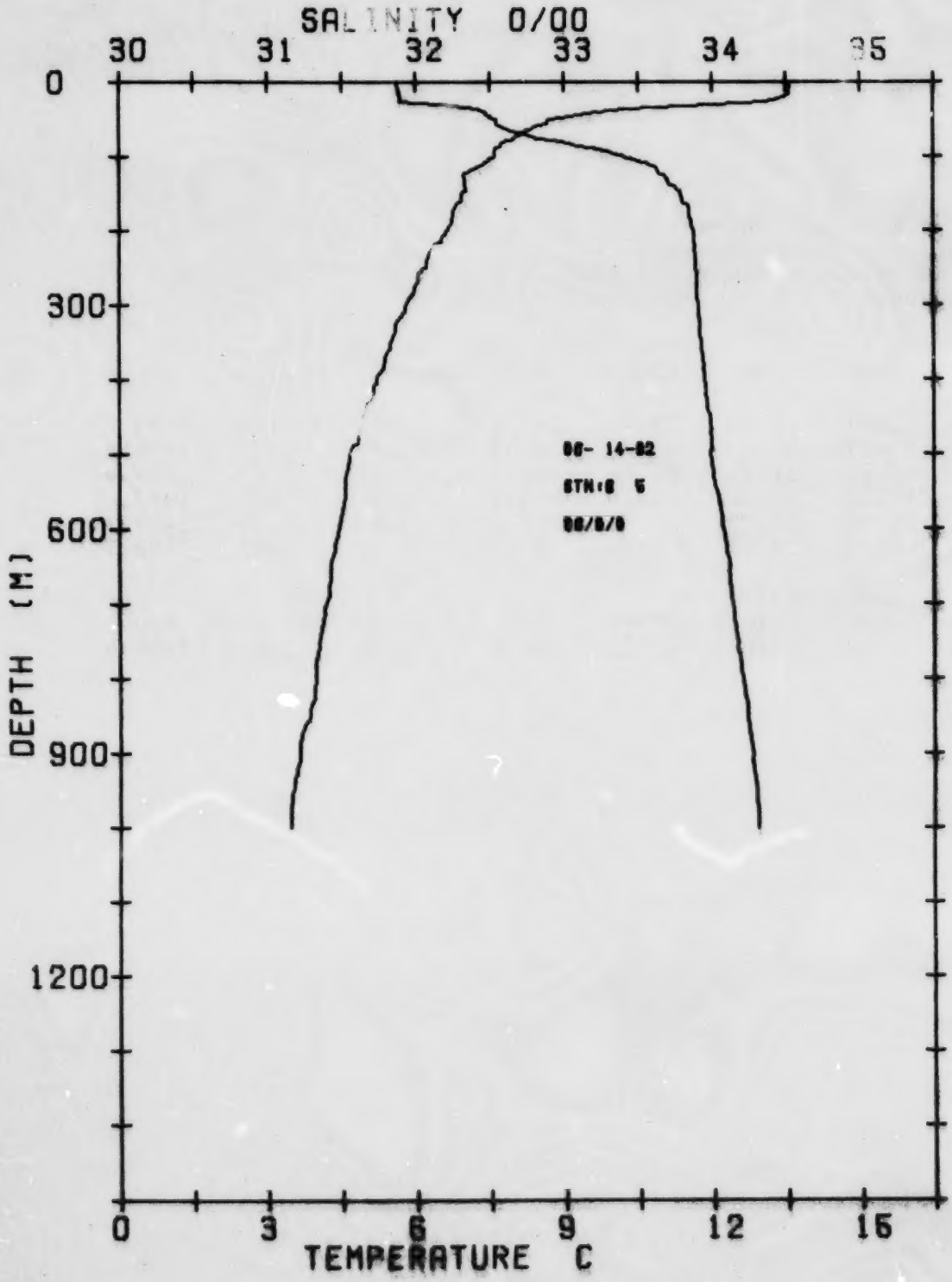
CRUISE : C.O.D.E. 80-14.
STATION: 47 CONS #091
LAT N 50 06.0 LONG W 127 58.0
DATE 80/09/09 TIME (PST) 0609

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.31	31.69	23.99	393.1	.00	.00	1494.4
10	12.31	31.68	23.98	394.0	.39	.02	1494.5
20	12.14	31.94	24.21	372.1	.78	.08	1494.4
30	11.82	32.06	24.36	358.1	1.14	.17	1493.6
50	9.85	32.39	24.96	301.0	1.83	.44	1487.3
75	8.30	33.02	25.70	231.3	2.49	.85	1482.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
98.2	7.52	33.53	26.22	182.5	2.96	1.25	1480.8

WIND MIXED LAYER DEPTH = 15.5 METRES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31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
08- 14-82
STN:8 5
08/8/8
0
3
6
9
12
15
TEMPERATURE C

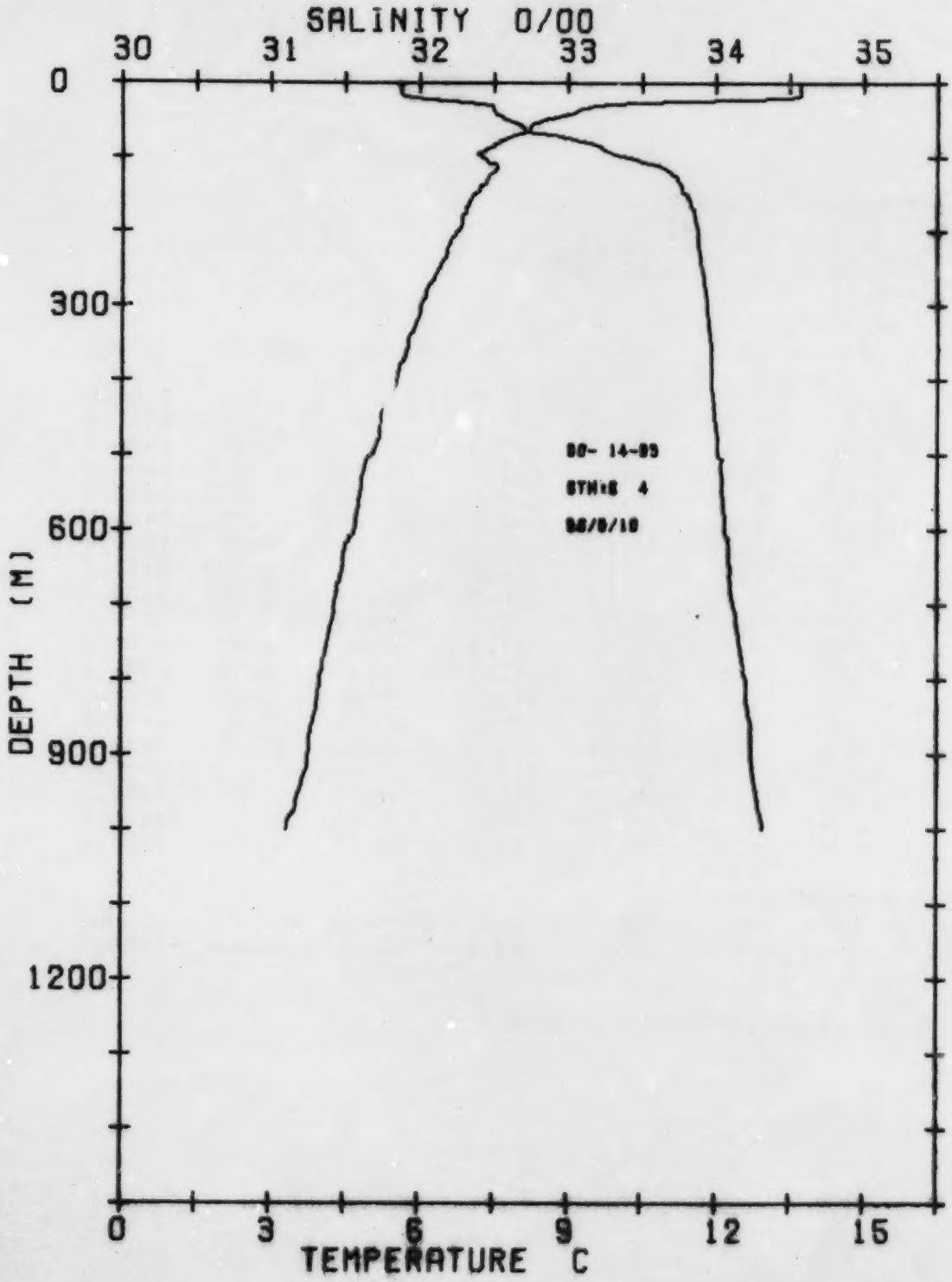
CRUISE : C.O.D.E. 80-14.
STATION: Q 5 CONS #092
LAT N 50 08.0 LONG W 128 25.0
DATE 80/09/09 TIME (PST) 2335

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.58	31.87	23.88	403.4	.00	.00	1498.9
10	13.57	31.89	23.90	402.1	.40	.02	1499.1
20	13.46	31.90	23.93	399.5	.80	.08	1498.9
30	12.03	32.17	24.41	353.4	1.19	.18	1494.5
50	8.73	32.54	25.26	272.6	1.79	.41	1483.3
75	8.02	32.83	25.59	241.3	2.44	.82	1481.4
100	7.59	33.41	26.11	192.6	2.97	1.28	1480.9
125	6.97	33.68	26.41	164.8	3.41	1.77	1479.2
150	6.96	33.79	26.50	156.6	3.81	2.33	1479.8
175	6.79	33.85	26.57	150.5	4.19	2.95	1479.6
200	6.65	33.88	26.60	147.0	4.57	3.65	1479.5
225	6.34	33.88	26.65	142.7	4.93	4.42	1478.6
250	6.20	33.89	26.68	140.6	5.28	5.26	1478.5
300	5.83	33.91	26.74	135.4	5.97	7.15	1477.8
400	5.23	33.95	26.84	125.9	7.28	11.72	1477.1
500	4.69	33.99	26.94	117.5	8.49	17.17	1476.6
600	4.46	34.08	27.03	109.6	9.63	23.42	1477.3
800	3.98	34.21	27.18	96.1	11.68	37.73	1478.8
1000	3.45	34.31	27.32	83.8	13.46	53.69	1480.0

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.0	3.45	34.31	27.32	83.8	13.46	53.69	1480.0

WIND MIXED LAYER DEPTH = 20.0 METRES


SALINITY 0/00
30
31
32
33
34
35
0
300
600
900
1200
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

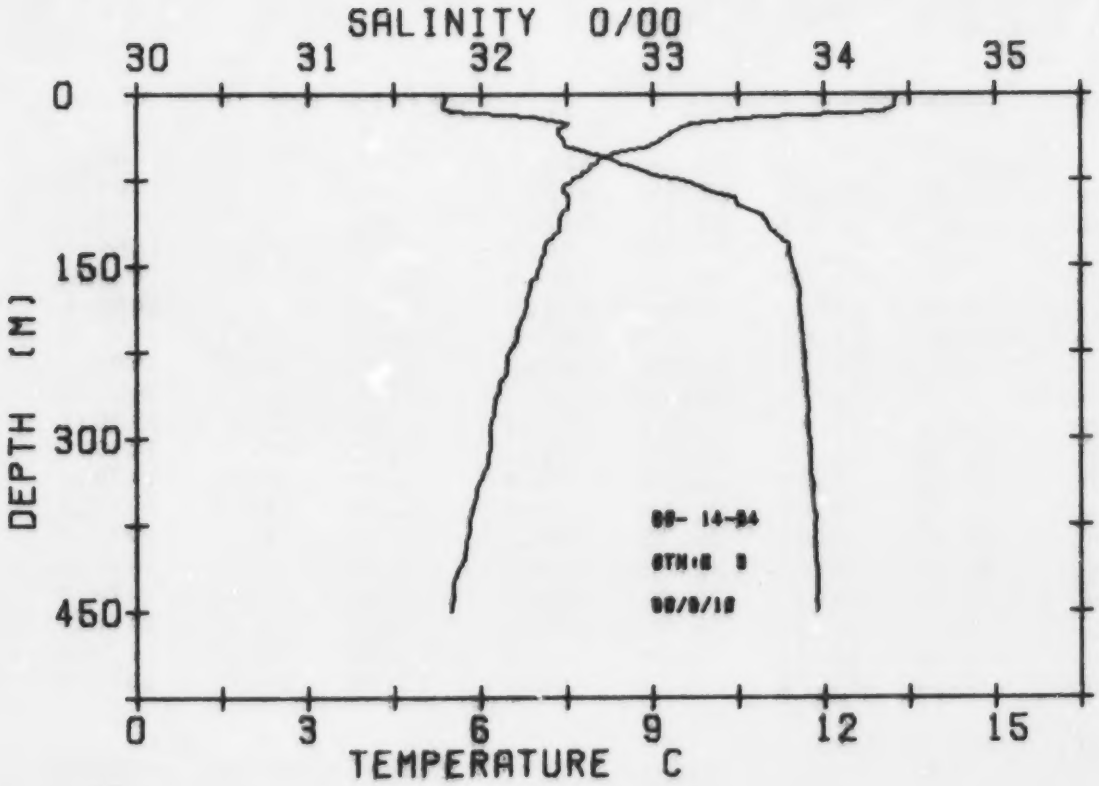
CRUISE : C.O.D.E. 80-14.
STATION: Q 4 CONS #093
LAT N 50 12.0 LONG W 128 19.5
DATE 80/09/10 TIME (PST) 0044

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.72	31.88	23.86	405.5	.00	.00	1499.4
10	13.71	31.87	23.86	405.7	.41	.02	1499.5
20	13.57	31.95	23.94	397.8	.81	.08	1499.3
30	9.57	32.48	25.08	289.3	1.14	.16	1486.1
50	8.54	32.60	25.33	265.9	1.70	.38	1482.7
75	7.74	33.04	25.80	221.7	2.32	.77	1480.6
100	7.25	33.42	26.17	187.4	2.82	1.21	1479.6
125	7.42	33.73	26.39	166.8	3.27	1.71	1481.1
150	7.12	33.79	26.48	158.5	3.67	2.27	1480.4
175	6.92	33.85	26.55	151.9	4.06	2.89	1480.1
200	6.78	33.88	26.59	148.2	4.43	3.60	1479.9
225	6.58	33.89	26.63	145.2	4.80	4.38	1479.6
250	6.41	33.91	26.66	142.2	5.16	5.23	1479.4
300	6.04	33.94	26.73	135.8	5.86	7.14	1478.7
400	5.56	33.97	26.82	128.3	7.17	11.74	1478.5
500	5.04	34.01	26.91	120.3	8.41	17.32	1478.0
600	4.72	34.06	26.99	114.1	9.57	23.70	1478.4
800	4.02	34.21	27.18	96.8	11.68	38.37	1479.0
1000	3.34	34.32	27.33	82.4	13.50	54.71	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
1000.1	3.34	34.32	27.33	82.4	13.50	54.72	1479.5

WIND MIXED LAYER DEPTH = 19.7 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

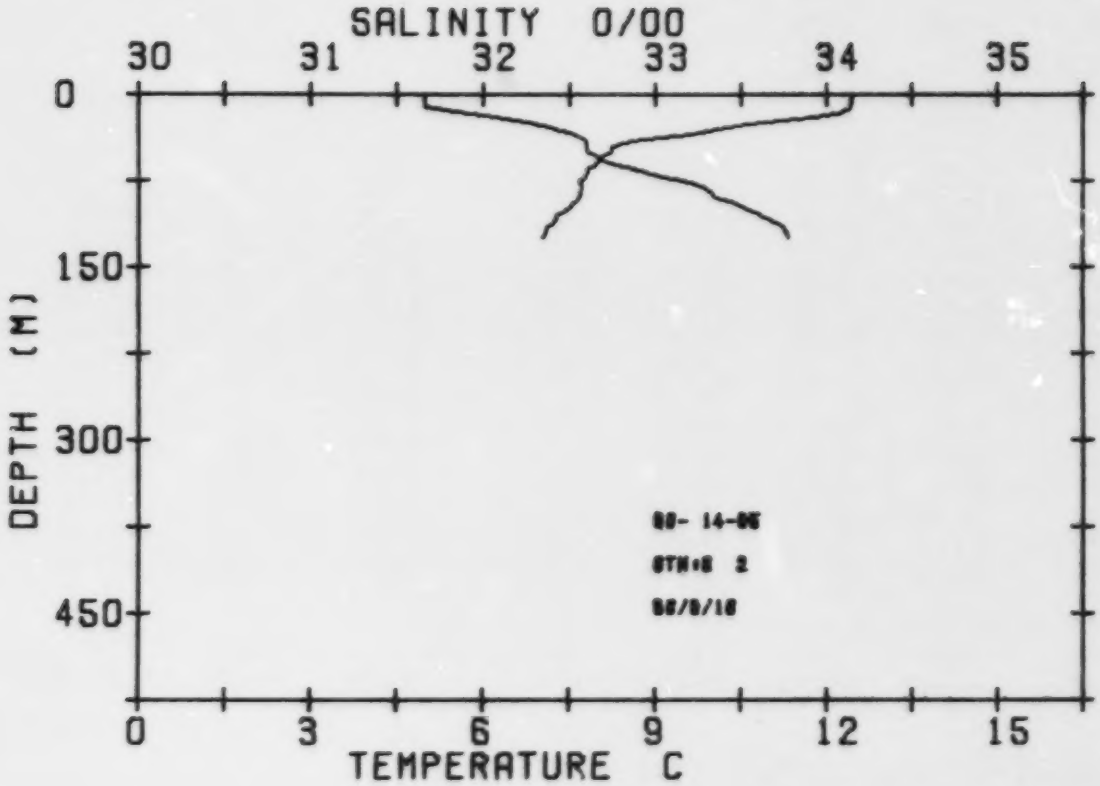
CRUISE : C.O.D.E. 80-14.
STATION: Q 3 CONS #094
LAT N 50 15.5 LONG W 128 14.0
DATE 80/09/10 TIME (PST) 0152

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	13.28	31.80	23.89	402.9	.00	.00	1497.8
10	13.24	31.78	23.88	403.5	.40	.02	1497.8
20	10.93	32.31	24.72	323.7	.78	.08	1490.6
30	9.45	32.45	25.07	290.1	1.08	.15	1485.6
50	8.42	32.62	25.37	262.5	1.65	.38	1482.2
75	7.59	33.18	25.93	209.6	2.24	.74	1480.2
100	7.51	33.56	26.24	180.5	2.72	1.16	1480.8
125	7.24	33.75	26.43	163.0	3.15	1.64	1480.4
150	7.04	33.82	26.51	155.7	3.54	2.19	1480.1
175	6.85	33.86	26.56	150.8	3.92	2.80	1479.8
200	6.70	33.87	26.60	147.9	4.30	3.51	1479.6
225	6.52	33.89	26.63	144.7	4.66	4.29	1479.3
250	6.35	33.90	26.66	142.1	5.02	5.14	1479.1
300	6.18	33.92	26.70	139.1	5.73	7.07	1479.2
400	5.74	33.95	26.78	132.3	7.08	11.81	1479.2

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
450.3	5.48	33.96	26.82	128.7	7.74	14.59	1478.9

WIND MIXED LAYER DEPTH = 14.1 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

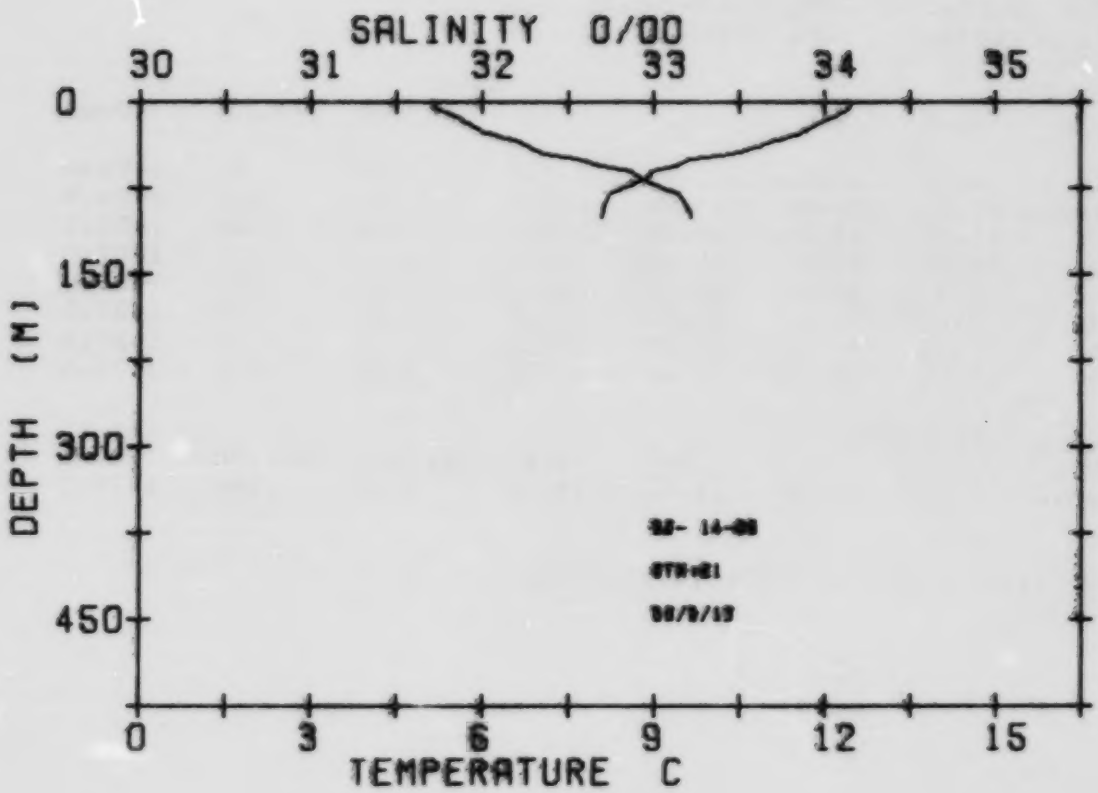
CRUISE : C.O.D.E. 80-14.
STATION: Q 2 CONS #095
LAT N 50 19.0 LONG W 128 08.5
DATE 80/09/10 TIME (PST) 0243

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.44	31.66	23.94	397.6	.00	.00	1494.8
10	12.43	31.66	23.94	397.7	.40	.02	1494.9
20	11.75	32.08	24.39	355.0	.78	.08	1493.3
30	10.05	32.41	24.95	301.9	1.10	.16	1487.8
50	8.21	32.61	25.39	260.3	1.65	.37	1481.4
75	7.68	33.17	25.91	211.4	2.25	.74	1480.5
100	7.45	33.55	26.23	180.8	2.74	1.17	1480.5
125	7.01	33.78	26.48	157.8	3.15	1.64	1479.5

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
125.0	7.01	33.78	26.48	157.8	3.15	1.64	1479.5

WIND MIXED LAYER DEPTH = 14.2 METRES


SALINITY 0/00
30
31
32
33
34
35
0
150
300
450
DEPTH (M)
0
3
6
9
12
15
TEMPERATURE C

CRUISE : C.O.D.E. 80-14.
STATION: Q1 CONS #096
LAT N 50 23.0 LONG W 128 03.0
DATE 80/09/10 TIME (PST) 0325

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
0	12.44	31.72	23.98	393.4	.00	.00	1494.9
10	12.28	31.82	24.09	383.2	.39	.02	1494.6
20	11.87	31.93	24.26	367.8	.77	.08	1493.5
30	11.41	32.10	24.47	347.4	1.12	.17	1492.3
50	9.67	32.55	25.12	286.0	1.77	.42	1486.8
75	8.51	33.06	25.70	231.5	2.40	.81	1483.5
100	8.11	33.22	25.89	214.0	2.95	1.29	1482.7

DEEPEST MEASUREMENT :

DEPTH	TEMP	SAL	SIG-T	SVA	DELTA-D	POT.EN	SOUND
100.0	8.11	33.22	25.89	214.0	2.95	1.29	1482.7

WIND MIXED LAYER DEPTH = 7.5 METRES

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 2 DATE 3/ 9/80 GMT 22.8
POSITION 48-13.5 N, 123-35.0 W STATION JF10
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.210
20			4.790
30			4.760
50			4.560
100			3.290
125			3.270
150			3.240

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 11 DATE 4/ 9/80 GMT 13.6
POSITION 48-28.5 N, 124-39.0 W STATION JF2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.440
10			4.180
20			3.860
30			3.750
50			3.310
75			2.990
100			2.930
125			2.570
150			2.290
175			2.240
200			2.090
239			2.040

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 12 DATE 4/ 9/80 GMT 14.3
POSITION 48-30.5 N, 124-46.5 W STATION JF1
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.410
10			3.960
20			3.680
30			3.480
50			3.140
75			3.020
100			2.930
125			2.900
150			2.300
175			2.150
200			2.090
250			1.980

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 13 DATE 4/ 9/80 GMT 16.4
POSITION 48-15.0 N, 124-54.0 W STATION OE3
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.980
10			5.670
20			4.040
30			4.050
50			3.930
75			3.320
87			2.890

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 14 DATE 17/ 9/80 GMT 40.0
POSITION 48-15.0 N, 125- 1.0 W STATION DE4
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.440
10			4.540
30			3.970
50			2.610
75			2.040
100			1.870
125			1.870
150			1.920
175			2.000
200			1.930
250			1.910
342			1.910

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 11- 15 DATE 4/ 9/80 GMT 18.2
POSITION 48-15.0 N, 125- 6.0 W STATION DE5
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.900
10			5.970
20			3.880
30			3.090
50			2.810
75			2.390
100			2.150
115			2.150

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 16 DATE 4/ 9/80 GMT 19.0
POSITION 48-15.0 N, 125-12.5 W STATION OE6
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.210
10			5.420
20			3.670
30			3.000
50			2.230
75			1.990
100			1.990
125			1.850
150			1.840
175			1.870
200			1.850
225			1.830

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 18 DATE 4/ 9/80 GMT 20.0
POSITION 48-15.0 N, 125-20.0 W STATION OE7
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.550
10			4.100
20			3.200
30			3.080
50			2.580
75			1.850
95			1.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 19 DATE 4/ 9/80 GMT 23.1
POSITION 48- 8.5 N, 126- .0 W STATION 111
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.210
10			6.190
30			5.940
50			5.060
75			4.190
100			3.350
150			2.380
200			2.070
350			1.500
500			1.180
750			.560
1000			.680

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 20 DATE 5/ 9/80 GMT 1.0
POSITION 48-12.9 N, 125-52.0 W STATION 109
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.287	6.040
10		32.275	6.170
30		32.583	5.910
50		32.858	5.120
75		33.222	4.270
100		33.712	3.220
150		33.898	2.470
200		33.949	2.230
250		33.988	2.060
350		34.033	1.620
500		34.074	1.280
512		34.076	1.250

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 21 DATE 5/ 9/80 GMT 2.5
POSITION 48-18.6 N, 125-41.2 W STATION 107
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.910
10			5.480
20			3.850
30			3.640
50			2.470
75			2.030
100			1.430
125			1.720
150			1.910
156			1.890

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 22 DATE 5/ 9/80 GMT 4.1
POSITION 48-25.5 N, 125-28.3 W STATION 105
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.050
10			5.470
20			3.390
30			2.760
50			2.230
75			1.700
100			1.550
125			1.360
129			1.410

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 23 DATE 5/ 9/80 GMT 5.7
POSITION 48-32.2 N, 125-15.5 W STATION 103
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.880
10			5.670
20			5.290
30			3.480
50			2.380
75			2.050
100			1.720
115			1.620

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 24 DATE 5/ 9/80 GMT 7.0
POSITION 48-39.0 N, 125- 2.5 W STATION 101
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.530
20			3.950
30			3.650
50			3.130

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 25 DATE 5/ 9/80 GMT 9.3
POSITION 48-41.0 N, 125-27.5 W STATION 93
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.700
10			6.650
20			4.710
30			3.990
50			3.080
75			2.910
100			2.660
125			2.520
150			2.200

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 26 DATE 5/ 9/80 GMT 10.2
POSITION 48-39.5 N, 125-39.0 W STATION 92
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.450
10			4.380
20			3.900
30			3.360
50			2.280
60			2.220

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 27 DATE 5/ 9/80 GMT 11.0
POSITION 48-37.0 N, 125-47.0 W STATION 91
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.830
10			5.690
20			3.730
30			3.640
50			2.360
65			2.370

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 28 DATE 5/ 9/80 GMT 11.8
POSITION 48-42.5 N, 125-47.0 W STATION 90
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.870
10			5.920
20			3.810
30			3.850
50			3.310
75			2.120
100			2.040
125			2.030
137			2.050

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 29 DATE 5/ 9/80 GMT 12.6
POSITION 48-48.0 N, 125-46.5 W STATION 89
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.150
10			5.110
20			4.700
30			3.720
50			2.580

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 30 DATE 5/ 9/80 GMT 13.3
POSITION 48-54.0 N, 125-46.0 W STATION 88
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.660
10			7.530
20			4.580
30			3.570
50			2.690
75			2.290
100			2.060

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 31 DATE 5/ 9/80 GMT 14.3
POSITION 49- .5 N, 125-55.0 W STATION 86
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.320
10			6.920
20			5.310
30			3.900
45			2.800

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 32 DATE 5/ 9/80 GMT 14.7
POSITION 48-58.0 N, 125-59.0 W STATION 85A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.460
10			5.800
20			4.410
30			3.480
45			2.800

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 33 DATE 5/ 9/80 GMT 15.3
POSITION 48-55.0 N, 126- 3.2 W STATION 85
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.410
10			6.370
20			6.030
30			4.630
50			3.740
70			2.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 34 DATE 5/ 9/80 GMT 16.0
POSITION 48-52.0 N, 126- 8.1 W STATION 84A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.140
10			5.800
20			5.960
30			5.210
50			4.430
75			3.200
94			2.510

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 35 DATE 5/ 9/80 GMT 16.7
POSITION 48-49.0 N, 126-13.0 W STATION 84
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.160
10			6.140
20			6.240
30			5.870
50			4.980
75			3.850
125			3.060
135			2.580

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 36 DATE 5/ 9/80 GMT 17.4
POSITION 48-46.1 N, 126-17.7 W STATION 83A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.100
10			6.110
20			5.970
30			5.910
50			5.330
75			4.350
100			3.530
125			2.990
150			2.510
170			1.830

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 37 DATE 5/ 9/80 GMT 18.2
POSITION 48-43.2 N, 126-22.5 W STATION 83
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.260
10			5.890
30			5.830
50			5.400
75			4.060
100			3.270
150			2.430
200			2.170
250			2.000
350			1.430
500			.930
725			.530

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 39 DATE 5/ 9/80 GMT 21.4
POSITION 48-31.2 N, 126-41.5 W STATION 81
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.150
10			6.270
30			5.540
50			5.130
75			3.930
100			3.600
150			3.050
200			2.490
350			1.420
500			.940
750			.600
1000			.560

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 43 DATE 6/ 9/80 GMT 3.7
POSITION 48-29.0 N, 127-19.0 W STATION 15
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		32.355	6.060
10		32.353	5.990
30		32.505	6.340
50		32.604	6.220
75		33.060	4.770
100		33.390	3.900
150		33.853	2.970
200		33.915	2.740
350		33.999	1.860
500		34.094	1.050
1480		34.505	.970

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 49 DATE 7/ 9/80 GMT 8.0
POSITION 48-59.0 N, 127-19.5 W STATION 21
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.790
10		32.189	6.260
30			6.130
50			6.310
75			5.960
100			5.180
150			3.550
200			2.800
350			1.800
500			1.050
1000		34.349	.660

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 50 DATE 7/ 9/80 GMT 9.6
POSITION 49- 1.8 N, 127-15.2 W STATION 21A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
30			5.970
50			6.290
75			5.600
100			4.540
150			3.800
200			3.120
350			1.680
500			1.010
750			.610
1000			.990

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 51 DATE 7/ 9/80 GMT 10.9
POSITION 49- 4.5 N, 127-11.0 W STATION 22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.790
10			5.870
30			6.470
50			5.920
75			5.290
100			4.020
150			3.460
200			2.600
350			1.550
500			.960
750			.610
1000			.620

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 52 DATE 7/ 9/80 GMT 12.1
POSITION 49- 7.3 N, 127- 6.5 W STATION 22A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.620
10			5.880
30			6.460
50			5.860
75			4.370
100			3.610
150			3.150
200			2.700
350			1.760
500			1.070
750			.700
850			.570

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 53 DATE 7/ 9/80 GMT 13.0
POSITION 49-10.0 N, 127- 2.1 W STATION 23
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.300
10			5.750
20			5.570
50			4.110
100			3.220
125			3.060
150			2.790
175			2.670
200			2.590
350			1.710

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 54 DATE 7/ 9/80 GMT 13.8
POSITION 49-10.0 N, 127- 2.0 W STATION 23A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.550
10			5.830
20			3.700
30			3.150
50			2.750
75			2.950
100			2.690
125			2.230
150			1.910
175			1.850
180			1.800

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 55 DATE 7/ 9/80 GMT 14.5
POSITION 49-15.5 N, 126-53.0 W STATION 24
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.690
10			5.930
20			4.820
30			2.870
50			2.270
75			2.690
100			2.430
125			1.880
135			1.860

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 56 DATE 7/ 9/80 GMT 15.0
POSITION 49-18.2 N, 126-48.8 W STATION 24A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.740
10			5.980
20			3.900
30			3.030
50			2.890
75			2.970
100			2.480
120			2.350

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 57 DATE 7/ 9/80 GMT 15.7
POSITION 49-21.5 N, 126-44.5 W STATION 25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.020
10			6.170
20			5.290
30			4.200
50			3.670
75			2.260
100			1.910

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 58 DATE 7/ 9/80 GMT 16.4
POSITION 49-23.0 N, 126-40.0 W STATION 25A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.910
10			5.740
20			4.490
30			3.800
40			3.500

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 59 DATE 7/ 9/80 GMT 17.6
POSITION 49-30.5 N, 126-51.5 W STATION 26
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.130
10			5.860
20			5.680
30			5.050
50			3.150
75			1.670

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 60 DATE 7/ 9/80 GMT 18.8
POSITION 49-36.0 N, 127- 1.0 W STATION 27
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.860
10			6.040
20			5.880
30			5.960
50			3.460
75			2.260
95			1.610

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 61 DATE 7/ 9/80 GMT 19.9
POSITION 49-40.5 N, 127-11.0 W STATION 28
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.950
30			5.360
50			5.500
75			2.040
100			1.780
115			1.770

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 62 DATE 7/ 9/80 GMT 21.1
POSITION 49-49.0 N, 127-15.0 W STATION 28A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.050
10			5.800
20			5.690
30			5.250
50			4.160

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 64 DATE 7/ 9/80 GMT 21.9
POSITION 49-46.1 N, 127-20.0 W STATION 29
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.650
10			5.840
20			4.840
30			3.270
50			2.980
75			1.990
85			1.960

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 65 DATE 7/ 9/80 GMT 22.7
POSITION 49-43.3 N, 127-24.5 W STATION 29A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.650
10			5.650
20			3.510
30			2.950
50			2.720
75			2.680
100			1.990

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 66 DATE 7/ 9/80 GMT 23.4
POSITION 49-40.5 N, 127-29.0 W STATION 30
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.650
10			5.600
30			2.830
50			2.760
75			3.640
100			2.550
150			2.110
200			2.090
250			2.060
350			1.660
500			1.240
580			.950

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 67 DATE 8/ 9/80 GMT .3
POSITION 49-37.5 N, 127-33.5 W STATION 30A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.510
20			4.160
30			2.940
50			3.670
75			4.010
100			3.610
150			2.630
200			2.220
250			1.960
350			1.530
500			1.080
740			.730

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 68 DATE 8/ 9/80 GMT 1.3
POSITION 49-34.5 N, 127-38.0 W STATION 31
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.690
10			5.610
30			4.850
50			3.500
75			4.080
100			3.160
150			2.830
200			2.400
250			1.990
350			1.470
500			.980
550			.860

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 69 DATE 8/ 9/80 GMT 2.2
POSITION 49-31.7 N, 127-42.3 W STATION 31A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.780
10			5.770
30			4.260
50			3.530
75			3.360
100			3.180
150			3.230
200			2.390
350			1.540
500			1.040
750			.660
940			.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 70 DATE 8/ 9/80 GMT 3.3
POSITION 49-29.0 N, 127-46.5 W STATION 32
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.560
10			5.790
30			3.900
50			3.770
75			3.230
100			3.040
150			3.090
200			2.600
350			1.470
500			.880
750			.540
1000			.580

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 71 DATE 8/ 9/80 GMT 5.4
POSITION 49-23.5 N, 127-55.0 W STATION 33
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.520
10			5.700
30			4.900
50			3.500
75			3.330
100			3.150
150			2.610
200			2.120
350			1.200
500			.830
750			.570
1000			.550

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 74 DATE 8/ 9/80 GMT 10.0
POSITION 49- 6.5 N, 128-21.0 W STATION 36
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.820
10			5.830
30			5.830
50			6.430
75			6.210
100			4.380
150			3.000
200			2.560
350			1.990
500			.980
750			.560
1000			.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 79 DATE 8/ 9/80 GMT 15.2
POSITION 49-18.5 N, 128-36.5 W STATION 38
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.550
10			5.790
30			5.830
50			6.020
75			6.500
100			5.820
150			3.600
200			2.960
350			2.050
500			1.030
750			.600
1500			.920

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 81 DATE 8/ 9/80 GMT 18.7
POSITION 49-31.5 N, 128-52.5 W STATION 40
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.850
10			5.830
30			5.810
50			5.960
75			6.420
100			5.670
150			3.730
200			3.310
350			2.150
500			1.190
750			.660
1000			.570

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 84 DATE 8/ 9/80 GMT 22.6
POSITION 49-47.0 N, 128-28.5 W STATION 43
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.710
10			5.930
30			5.750
50			6.490
75			6.220
100			5.580
150			4.160
200			3.430
350			2.050
500			1.090
750			.670
1000			.610

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 87 DATE 9/ 9/80 GMT 1.9
POSITION 49-57.0 N, 128-12.5 W STATION 45
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.750
10		31.825	5.740
30			4.800
50			3.150
75			3.030
100			3.710
150			2.900
200			2.530
350			1.600
500			1.020
750			.630
1005		34.363	.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 88 DATE 9/ 9/80 GMT 3.0
POSITION 49-59.1 N, 128- 8.5 W STATION 45A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.520
10			5.740
30			5.040
50			3.010
75			2.820
100			2.940
150			2.890
250			2.150
350			1.550
500			.960
750			.660
970			.500

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 89 DATE 9/ 9/80 GMT 4.1
POSITION 50- 1.5 N, 128- 5.5 W STATION 46
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.650
10			5.800
30			4.740
50			4.070
75			4.130
100			3.130
150			2.910
200			2.570
350			1.830
500			1.190
750			.700
1000			.640

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 90 DATE 9/ 9/80 GMT 5.2
POSITION 50- 3.8 N, 128- 2.0 W STATION 46A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.880
10			5.860
30			5.080
50			3.770
75			4.820
100			2.980
150			2.850
200			2.450
350			1.880
500			1.290
750			.680
980			.630

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 91 DATE 9/ 9/80 GMT 6.2
POSITION 50- 6.0 N, 127-58.0 W STATION 47
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.880
10			5.840
20			5.500
30			4.120
50			5.340
75			3.050
100			2.680

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 92 DATE 9/ 9/80 GMT 23.6
POSITION 50- 8.0 N, 128-25.0 W STATION 25
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.810
10			6.050
30			6.060
50			6.130
75			4.700
100			3.630
150			3.760
200			2.990
350			1.830
500			1.250
750			.690
1000			.620

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 93 DATE 10/ 9/80 GMT .7
POSITION 50-12.0 N, 128-19.5 W STATION 04
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			5.750
30			5.780
50			5.060
75			4.740
100			4.670
125			3.450
150			3.300
200			2.600
343			1.670
500			1.180
750			.700
1007			.650

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 94 DATE 10/ 9/80 GMT 1.9
POSITION 50-15.5 N, 128-14.0 W STATION 03
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.690
10			5.960
30			5.840
50			5.240
75			5.010
100			4.010
150			2.990
175			2.750
200			2.540
250			2.410
350			1.920
450			1.580

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 95 DATE 10/ 9/80 GMT 2.7
POSITION 50-19.0 N, 128- 8.5 W STATION 02
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.890
10			5.880
20			5.880
30			4.890
50			5.970
75			4.490
100			3.060
125			2.650

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 96 DATE 10/ 9/80 GMT 3.4
POSITION 50-23.0 N, 128- 3.0 W STATION 01
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			5.730
10			5.680
20			5.680
30			5.270
50			4.280
75			3.500
100			3.240

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 97 DATE 10/ 9/80 GMT 18.3
POSITION 49-42.0 N, 128- 4.0 W STATION C1
HYDROGRAPHIC CAST DATA

OBSEPVED DATA

DEPTH	TEMP	SAL	OXY
0			5.660
10		31.863	6.200
30			4.330
50			3.300
75			4.910
100			4.340
150			3.440
200			2.800
350			1.720
500			1.040
750			.690
1000		34.375	.650

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 80- 14- 98 DATE 12/ 9/80 GMT 3.3
POSITION 49-20.0 N, 127-30.0 W STATION C2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.140
10		32.224	6.140
30			6.230
50		32.696	5.680
75		33.475	4.870
100			3.530
150			2.980
200		33.922	2.770
350			1.990
500		34.064	1.200
750			.690
1000		34.375	.720

POOR

QUALITY

ORIGINAL